

BeSS report – Nov 2018

Data compiled by Valérie Desnoux – H-alpha monitoring

- 87 stars were observed
- 19 Observers contributed this month
- 203 Spectra

Observers...

Observateur	Nb spec
Thizy	37
Bryssinck	30
HOUPERT	29
Guarro Fló	18
Stiewing	14
Desnoux	11
Charbonnel	10
Bohlsen	9
Graham	9
Daglen	9
de Bruin	7
GARDE	6
bertrand	5
Favaro	4
Fosanelli	2
Gurney	2
Allen	1
Total général	203

Events of the month...

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

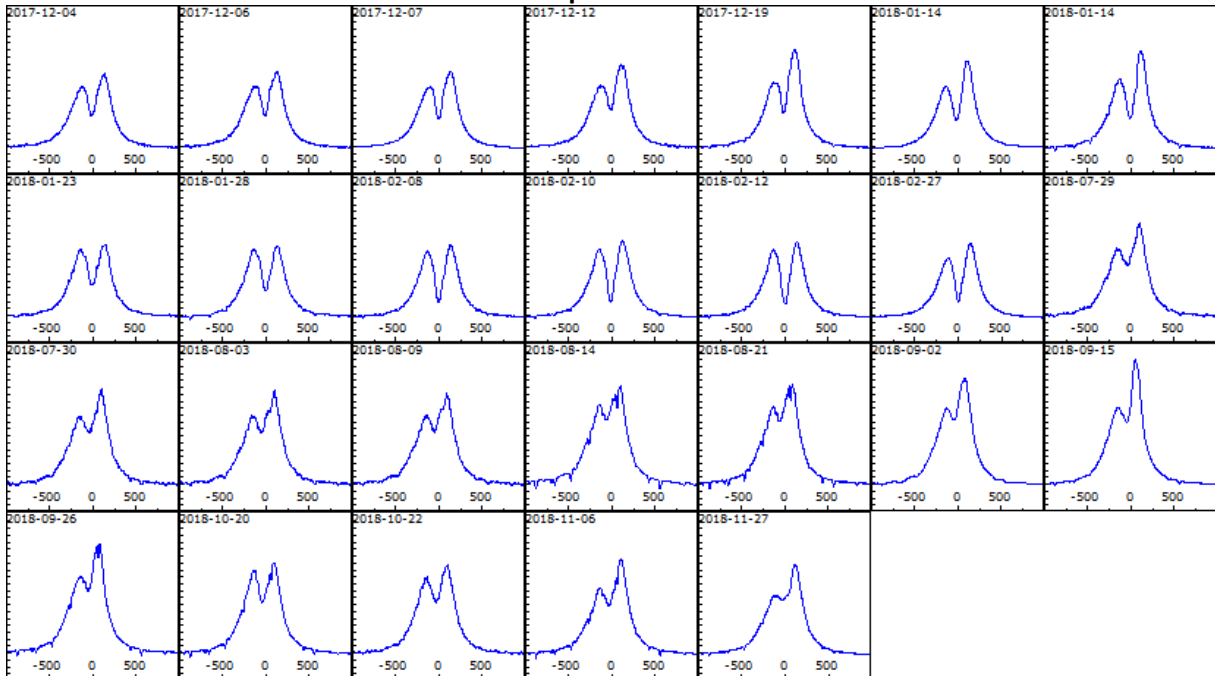
EE	ME	DE
phi Per	lam Cyg	EW Lac
HD 206773	V442 And	KY And
V558 Lyr	CX Dra	LQ And
BK Cam	14 Lac	OT Gem
KX And	V782 Cas	V777 Cas
HD 192445	CT Cam	bet Psc
HD 9709	V1165 Tau	11 Cam
HD 2789	V923 Aql	V1369 Ori
NT Peg	16 Peg	12 Aur
V780 Cas	eta Ori	V439 Cep
V695 Mon	HD 217061	V346 Ori
V1374 Ori	UU PsA	V1410 Ori
HD 215227		V2120 Cyg

Objects observed

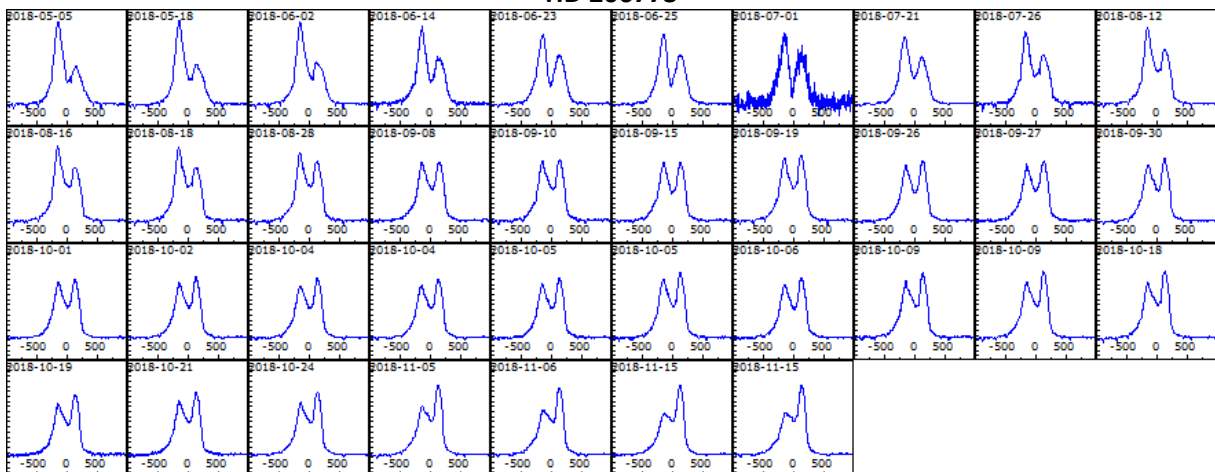
Classique							Herbig
lam Cyg	ALFIRK	HD 192445	V801 Cas	HD 199218	HD 26398	V439 Cep	V346 Ori
V442 And	psi Per	HD 9709	25 Cyg	11 Cam	HD 53416	eps Tuc	V1410 Ori
omi And	HD 23552	HD 13867	16 Peg	eta Ori	V780 Cas	HD 42477	
phi And	omi Cas	CT Cam	HD 18552	V1369 Ori	V695 Mon	MEROPE	
28 Cyg	V764 Cas	69 Ori	tet Ari	HD 39018	HD 43285	HD 2789	
QR Vul	HD 21455	OT Gem	V777 Cas	HD 21641	V1374 Ori	NT Peg	
gam Cas	zet Tau	V1165 Tau	48 Per	2 Cet	HD 29035	V378 And	
CX Dra	V558 Lyr	HD 79066	bet Psc	HD 21620	eps PsA	HD 22780	
pi Aqr	eps Cas	HD 70340	omi Aqr	V978 Cas	HD 217061	18 And	
PLEIONE	HD 193182	V923 Aql	lam Eri	12 Aur	HD 215227	KX And	
phi Per	BK Cam	25 Vul	13 Tau	Menkhib	UU PsA	KY And	
HD 206773	ELECTRA	HD 224544	ALCYONE	HD 29866	V2120 Cyg	LQ And	
14 Lac	V782 Cas	EW Lac					

Emission increase since last observations

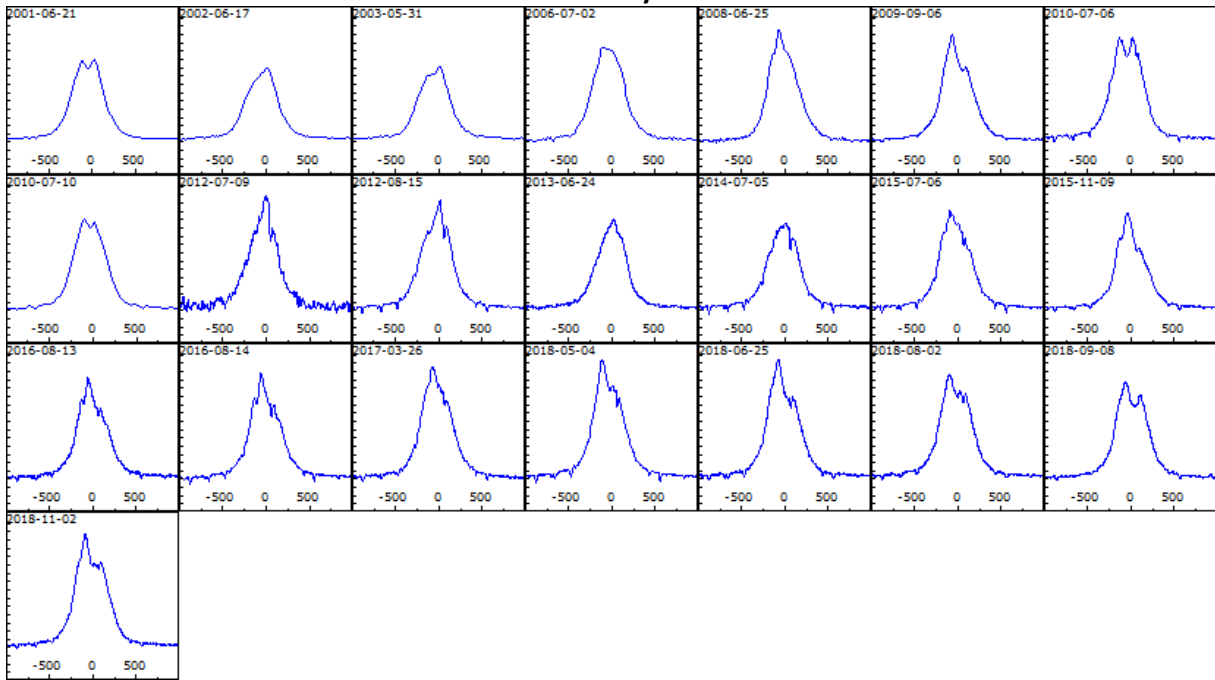
phi Per



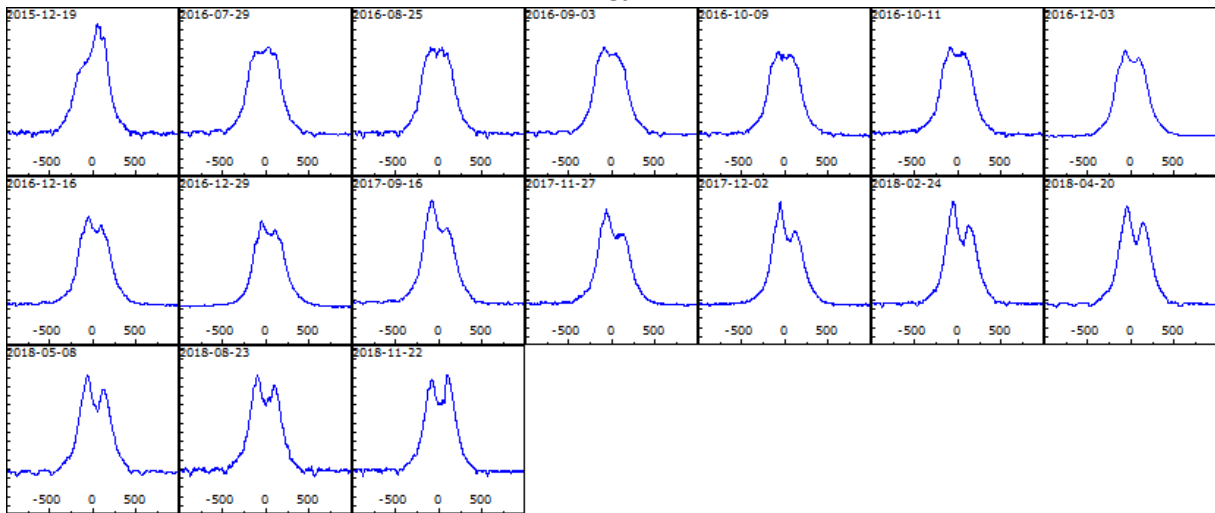
HD 206773



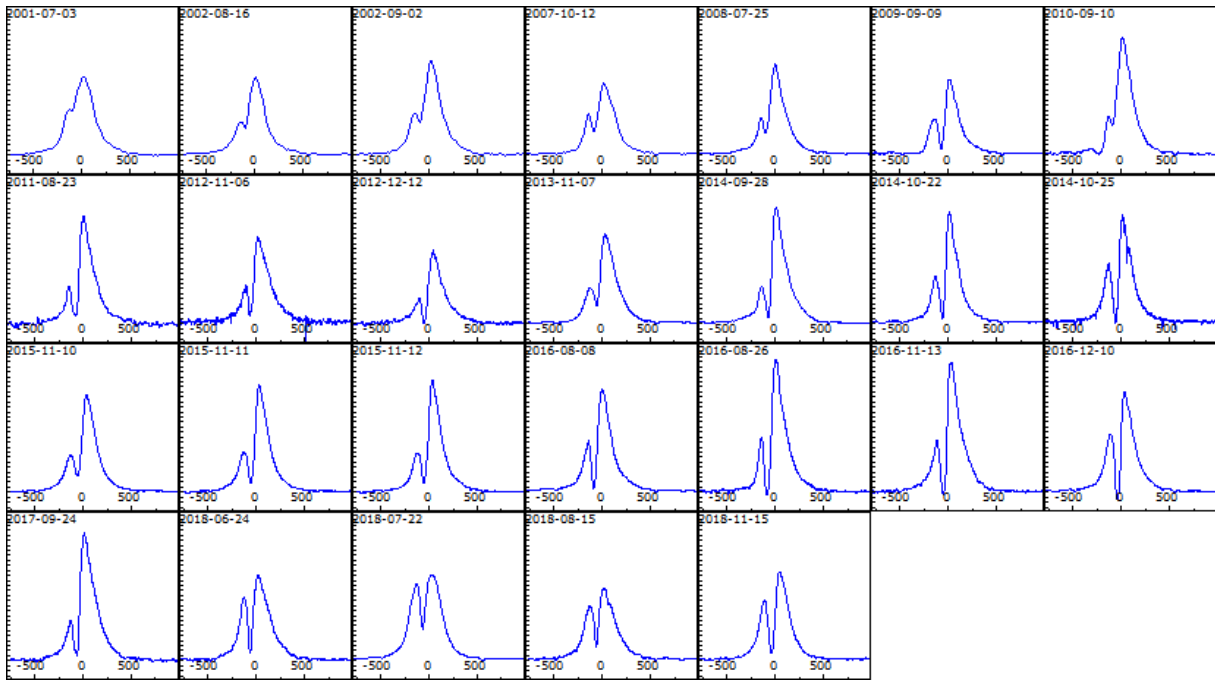
V558 Lyr



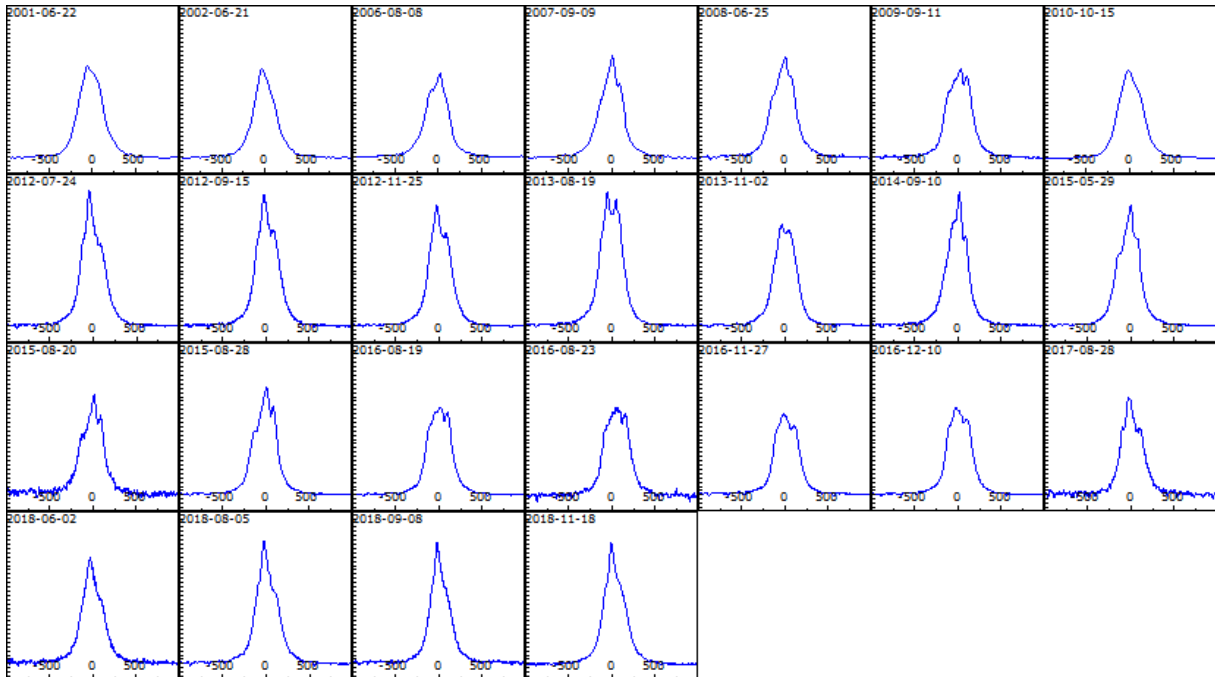
BK Cam



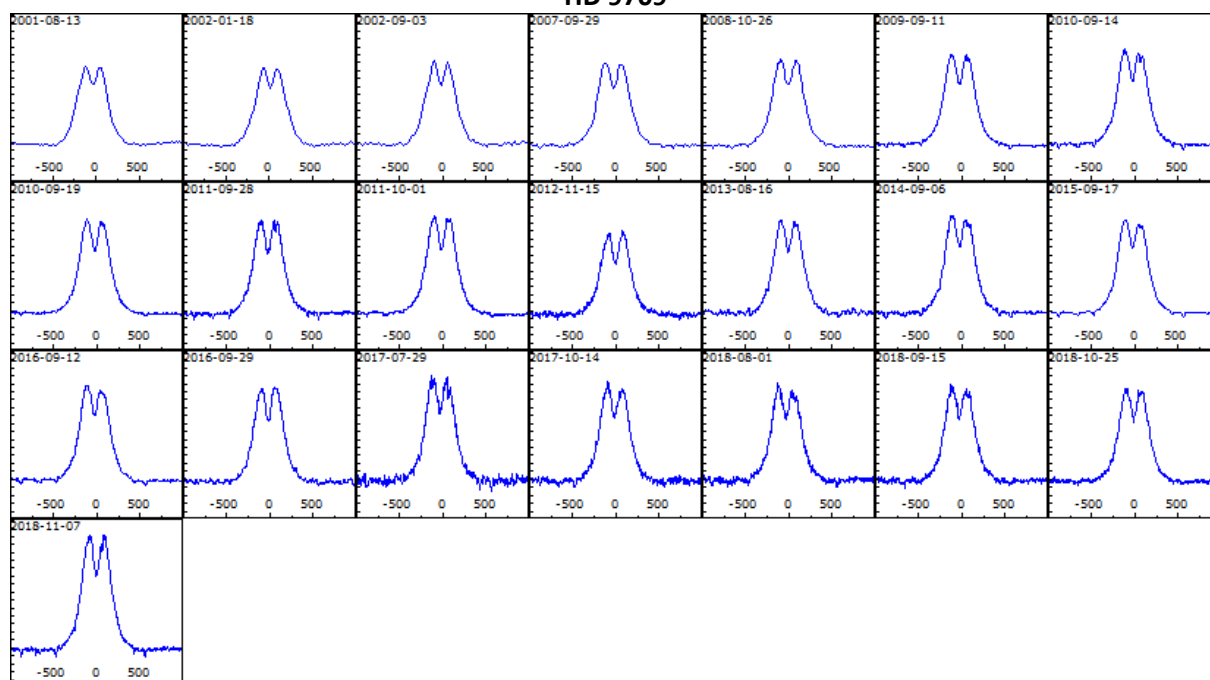
KX And



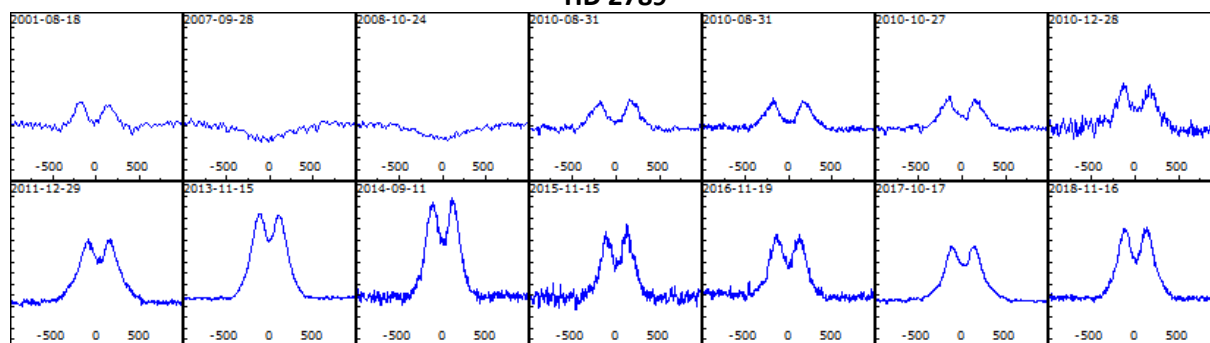
HD 192445



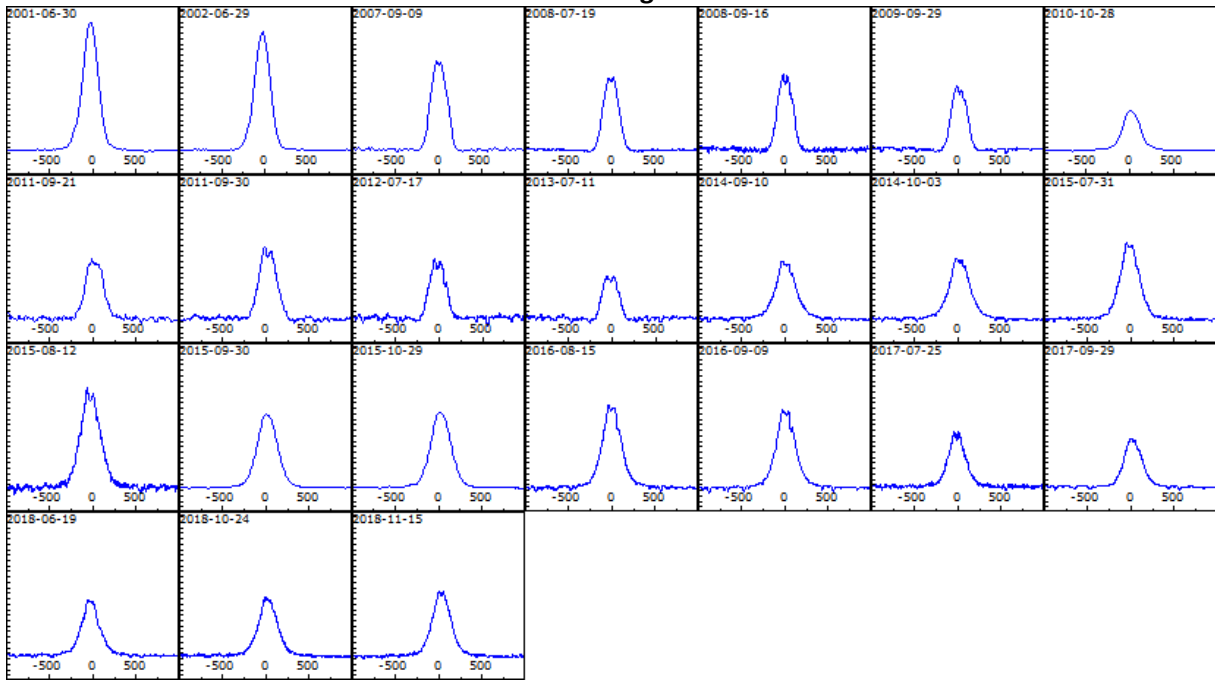
HD 9709



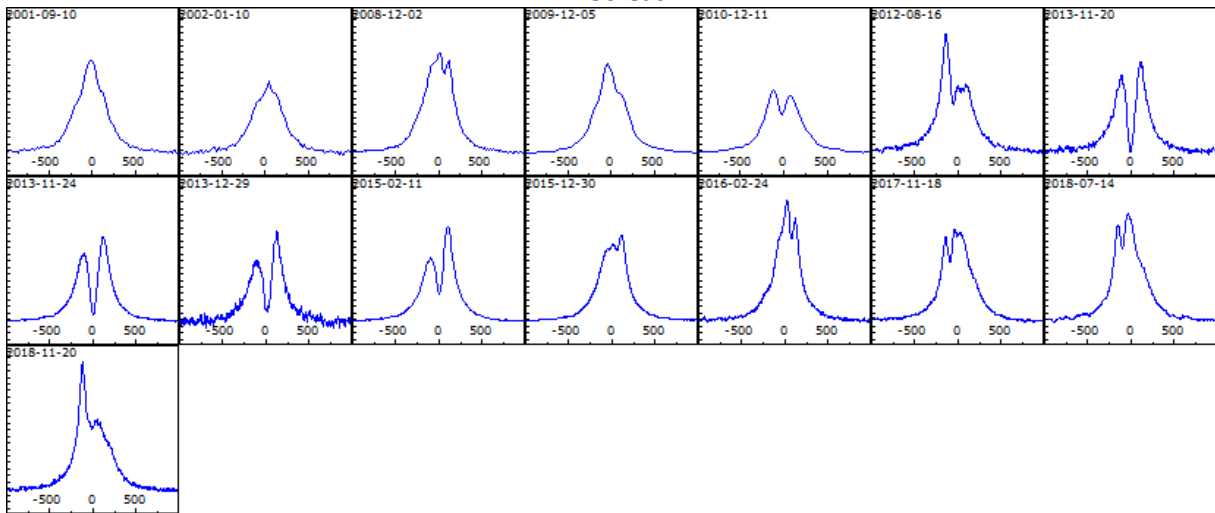
HD 2789



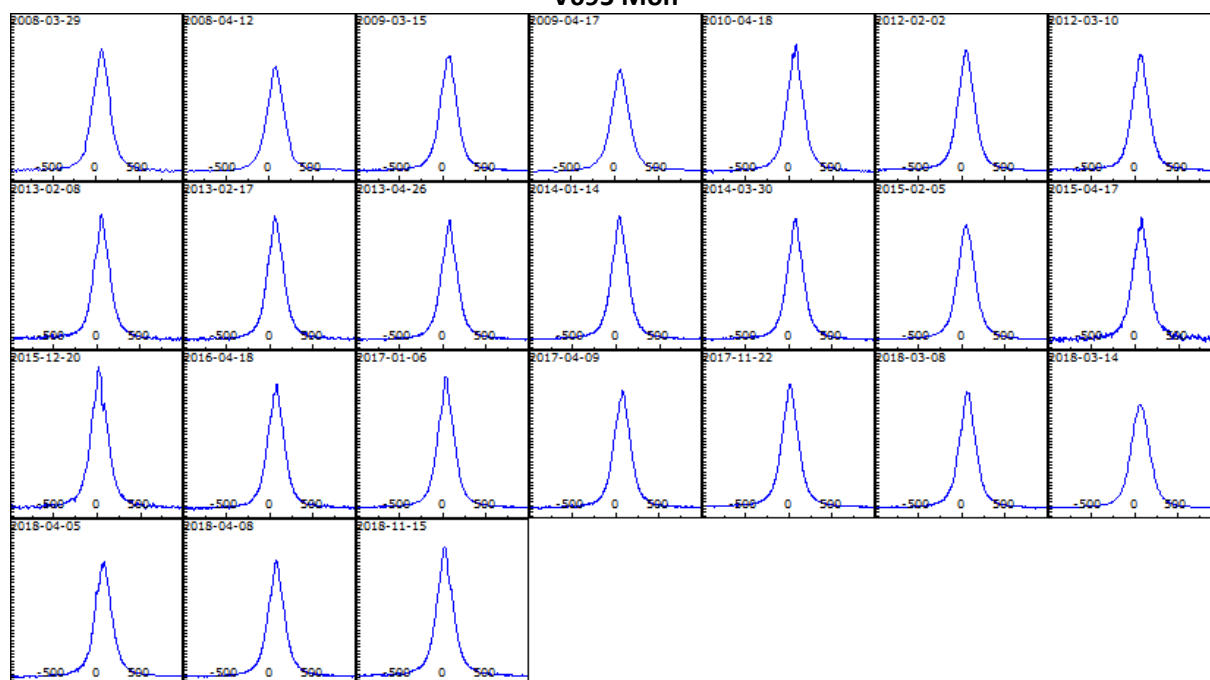
NT Peg



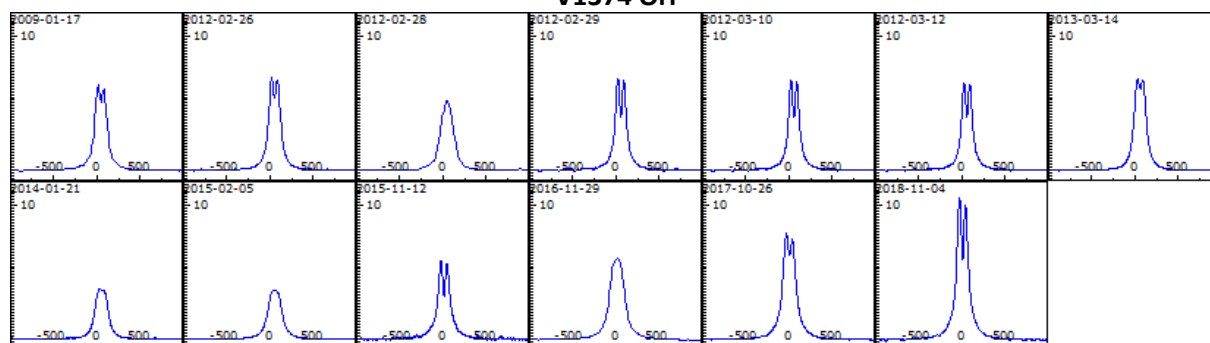
V780 Cas



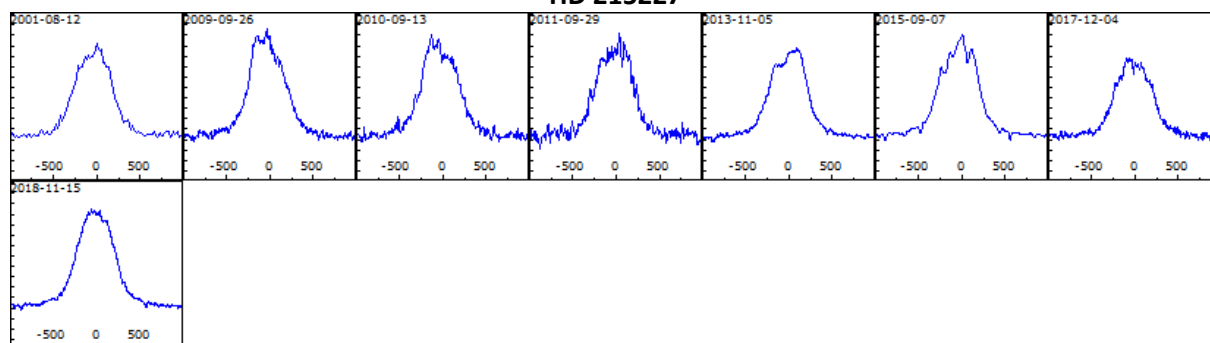
V695 Mon



V1374 Ori

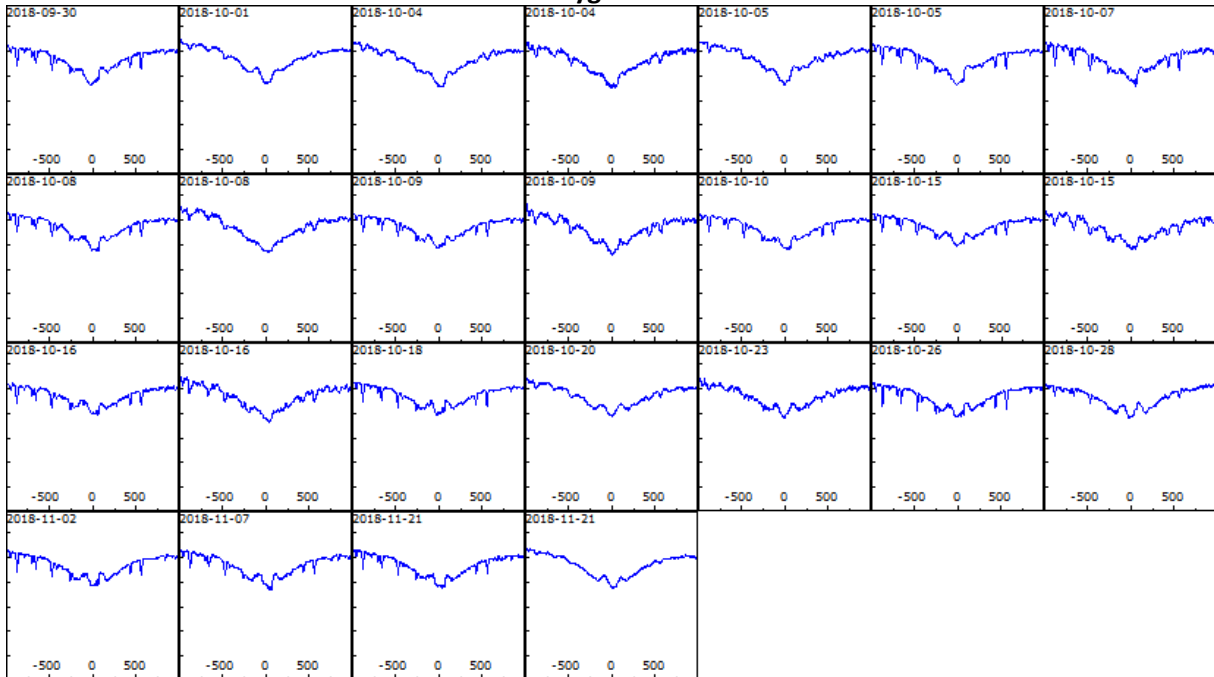


HD 215227

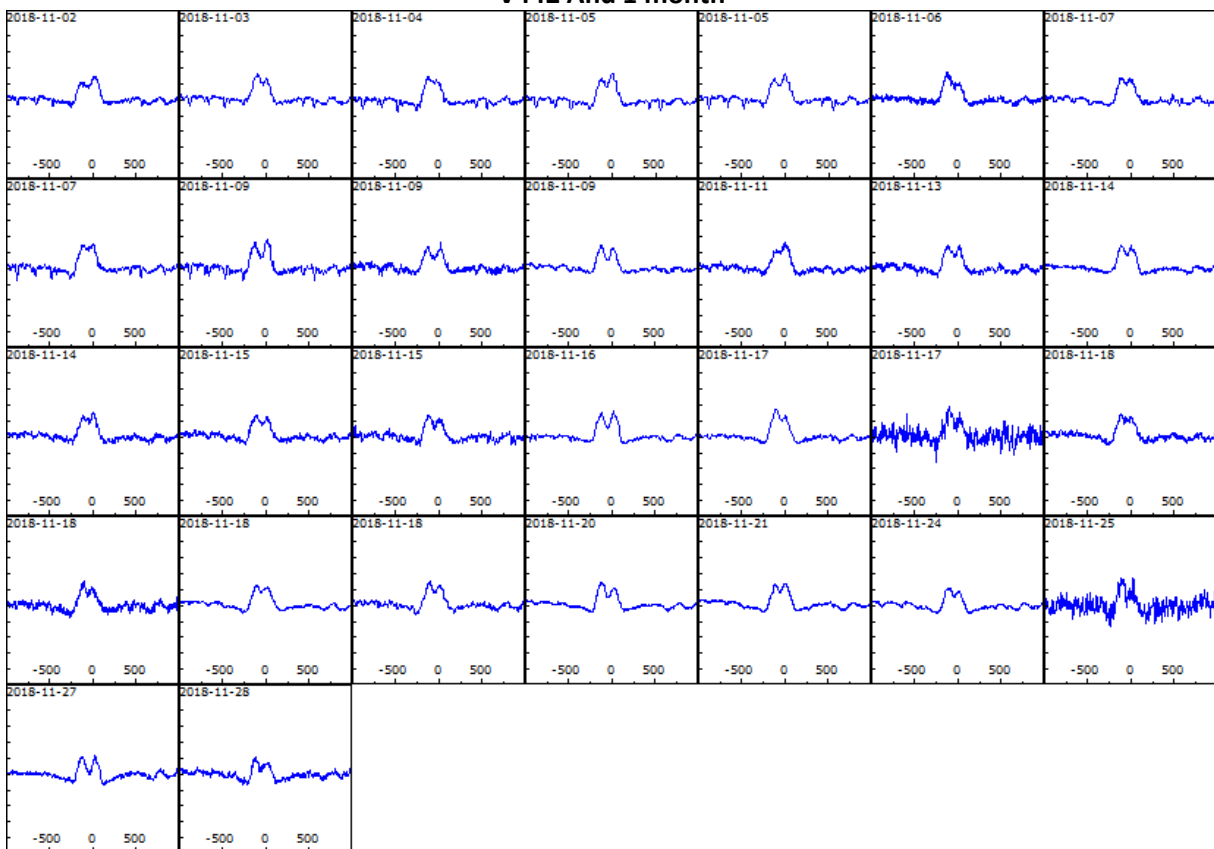


Moderate evolutions of H-alpha line

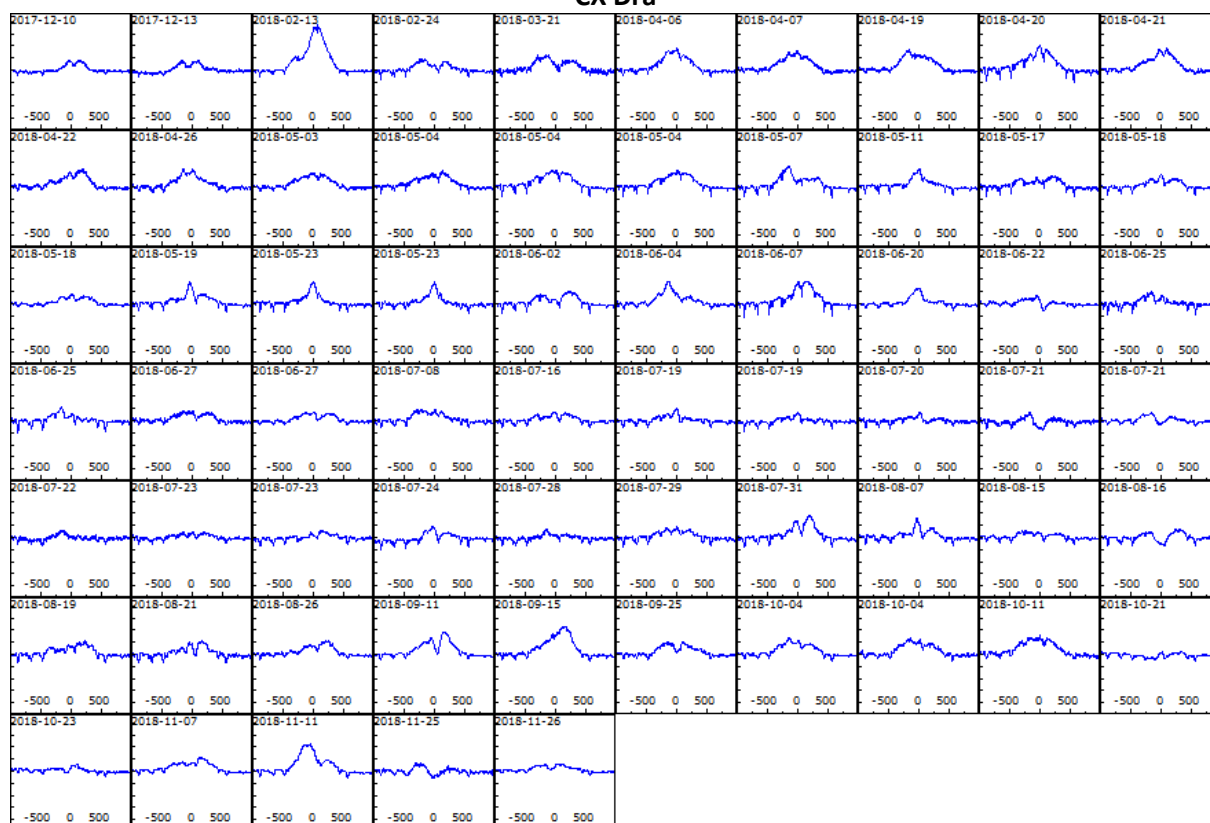
Lam Cyg 3 months



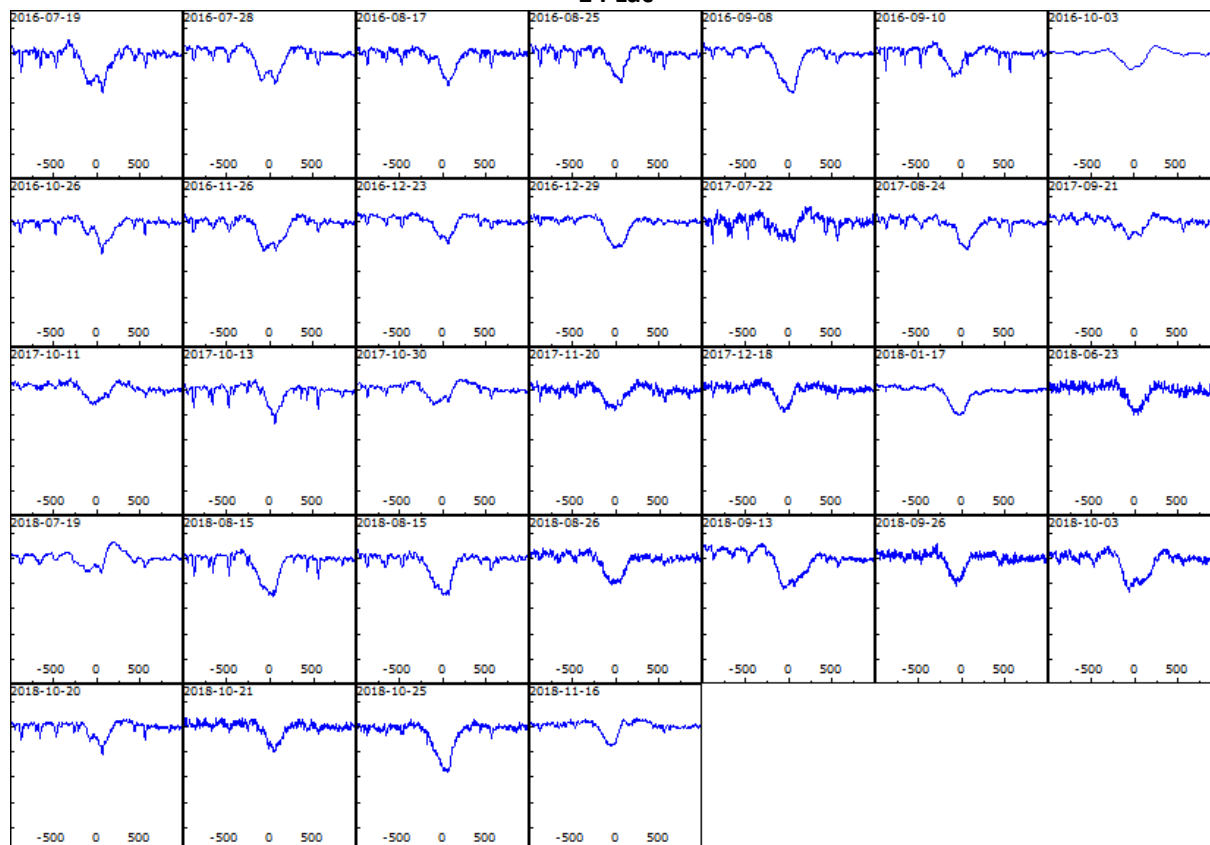
V442 And 1 month



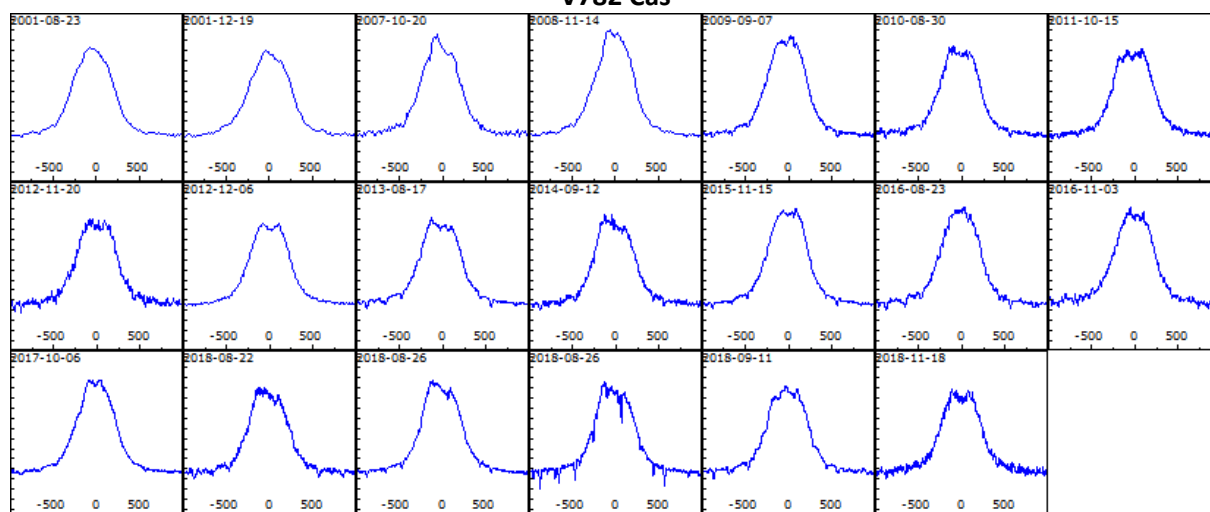
CX Dra



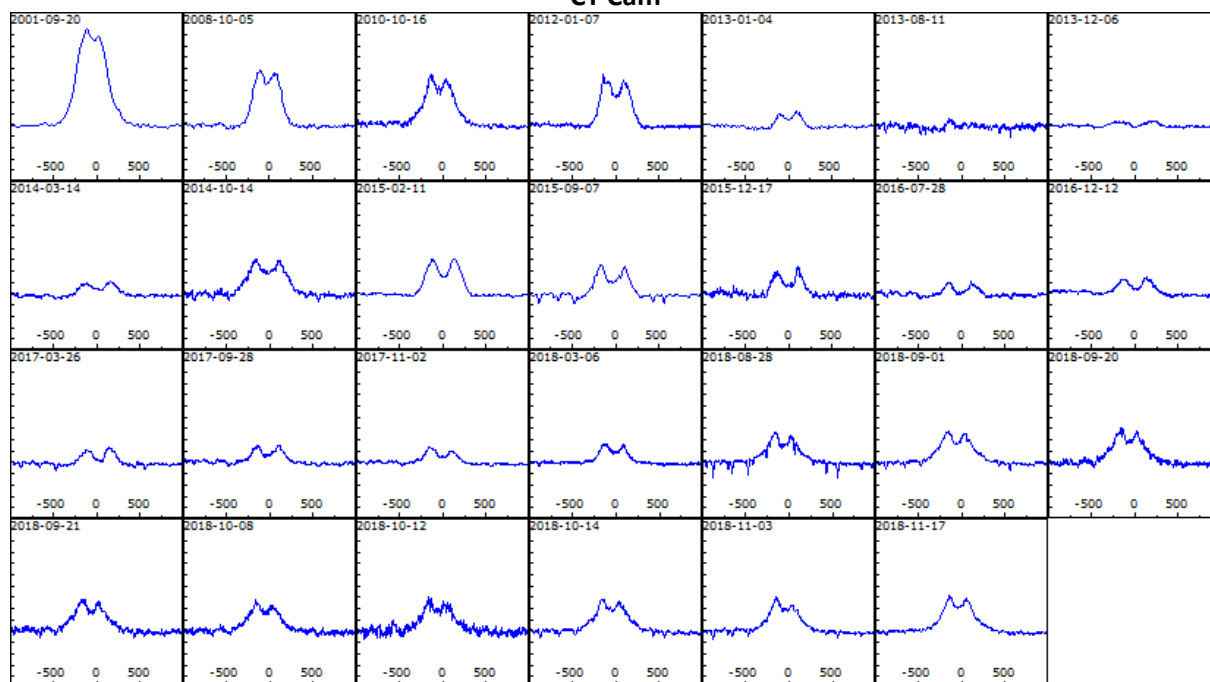
14 Lac



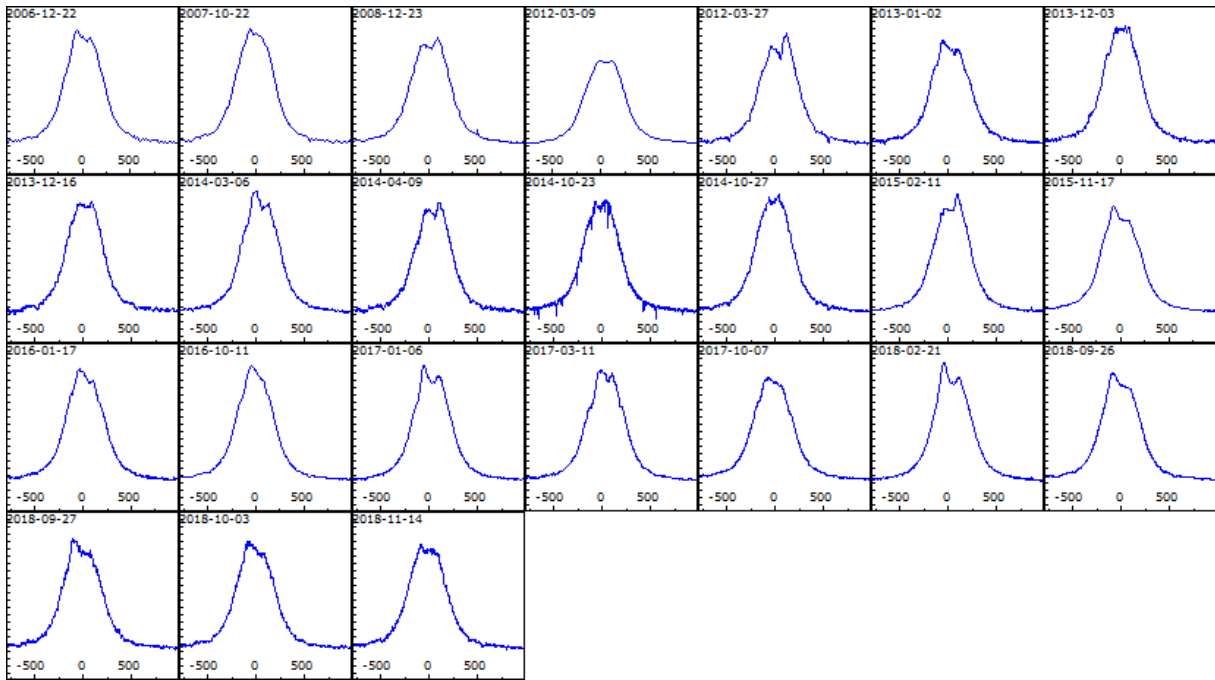
V782 Cas



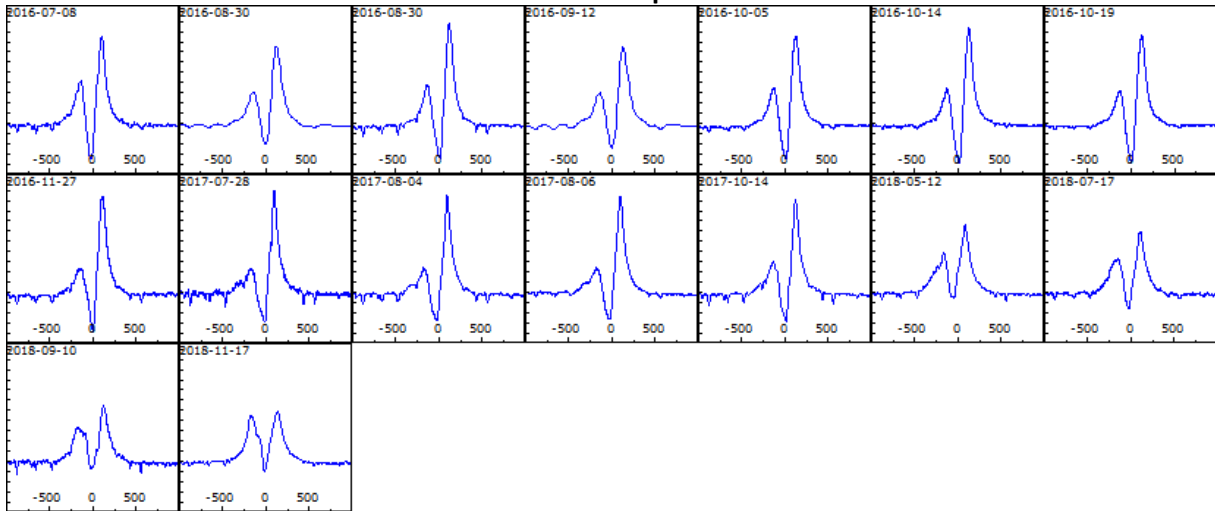
CT Cam



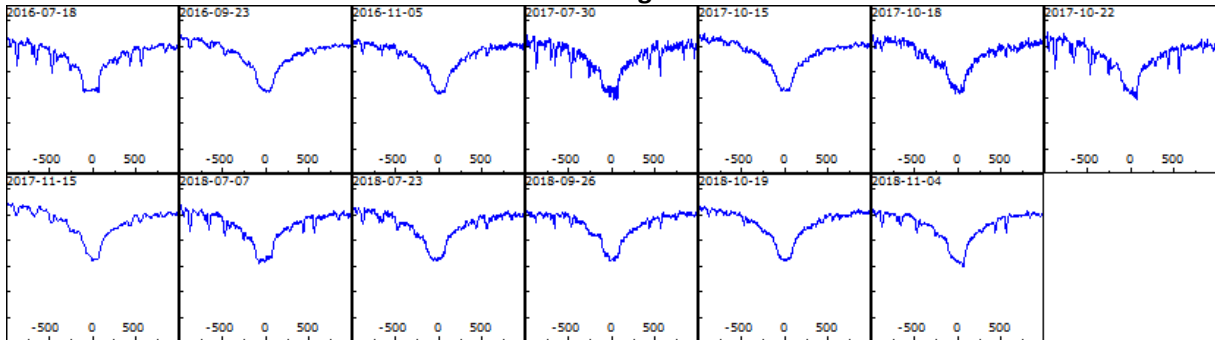
V1165 Tau



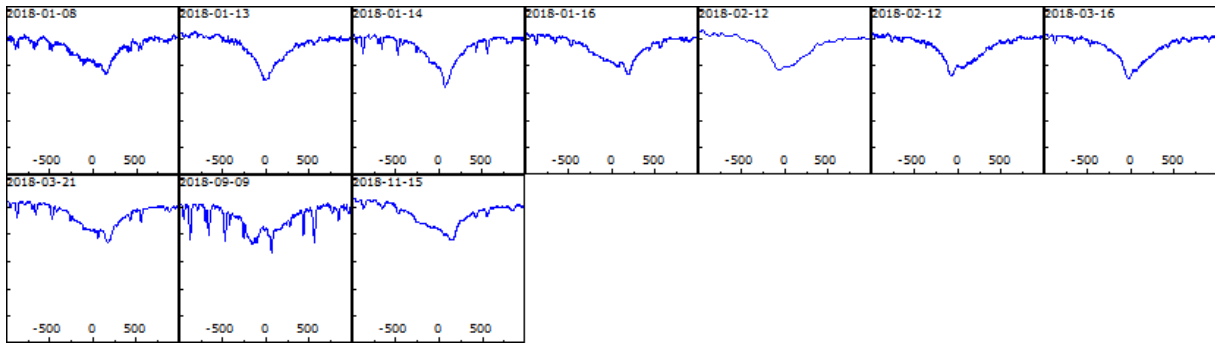
V923 Aql



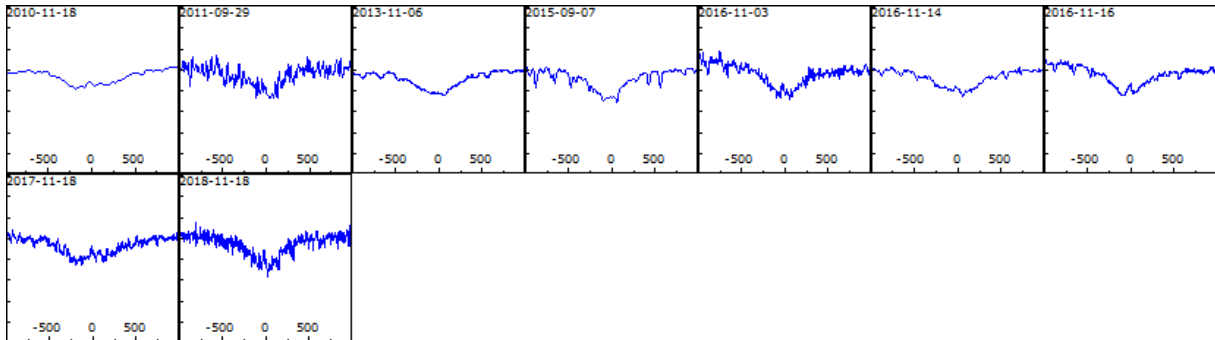
16 Peg



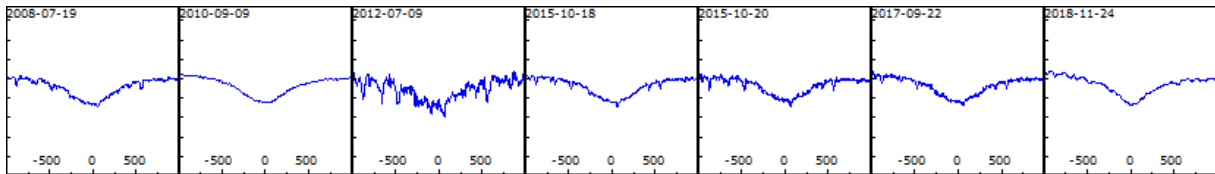
eta Ori



HD 217061

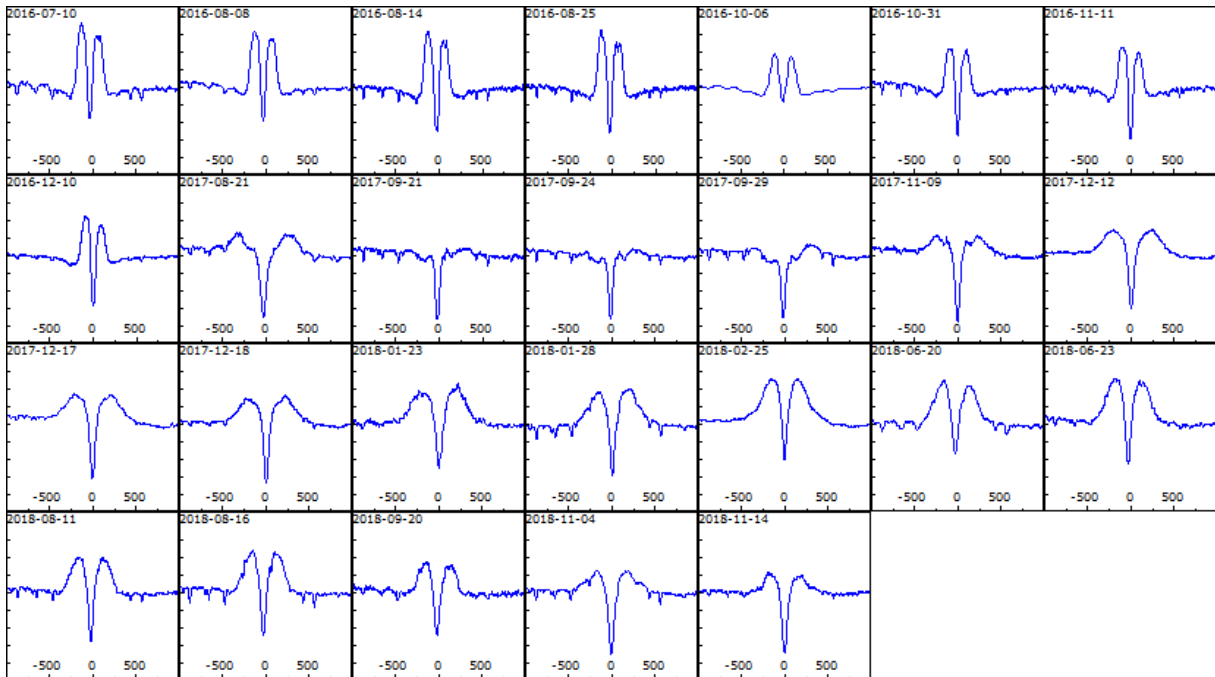


UU PsA

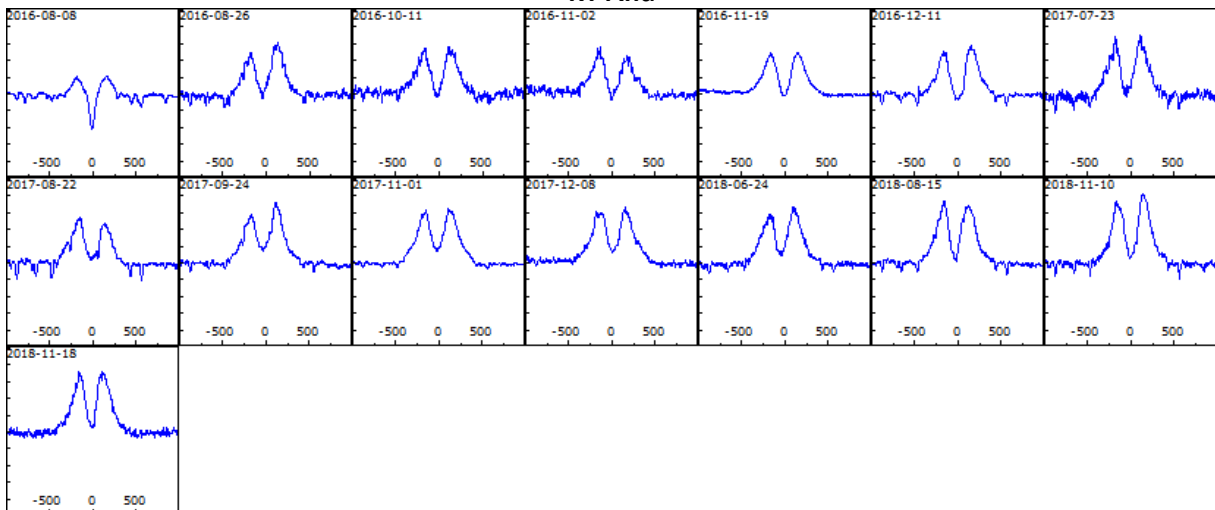


Emission decrease of H-alpha line

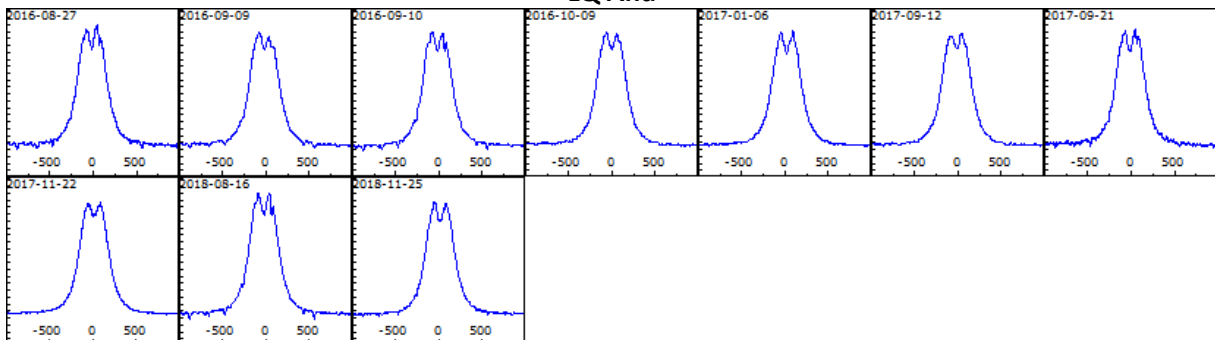
EW Lac



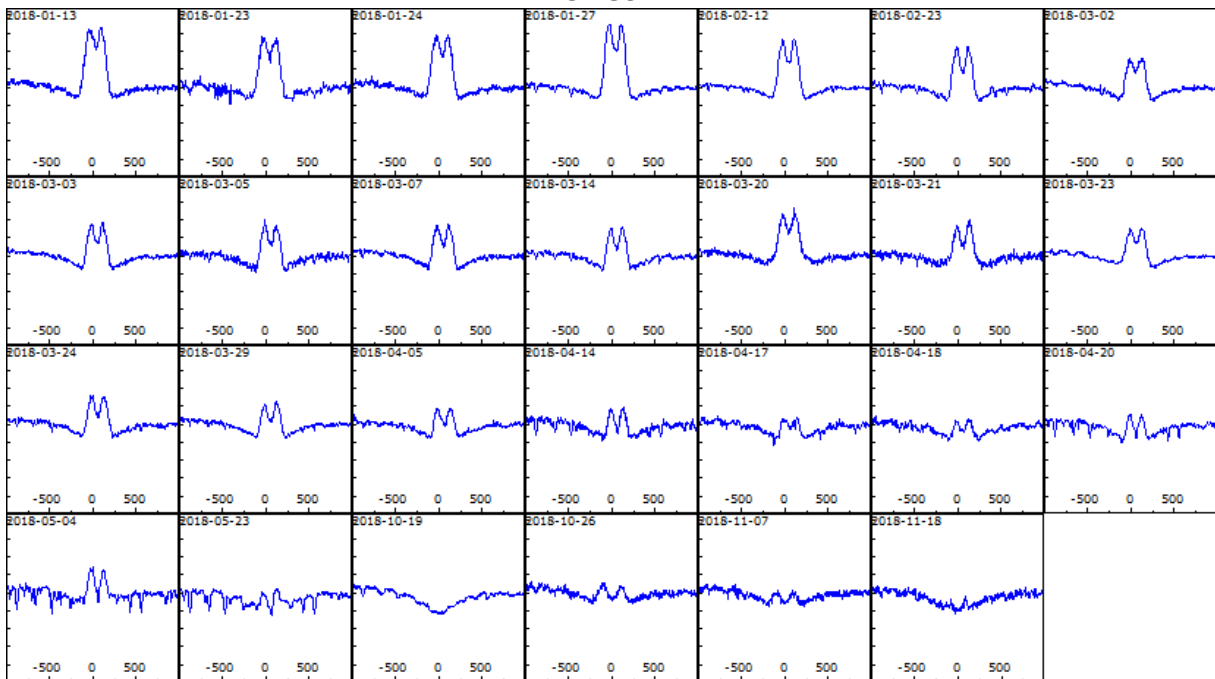
KY And



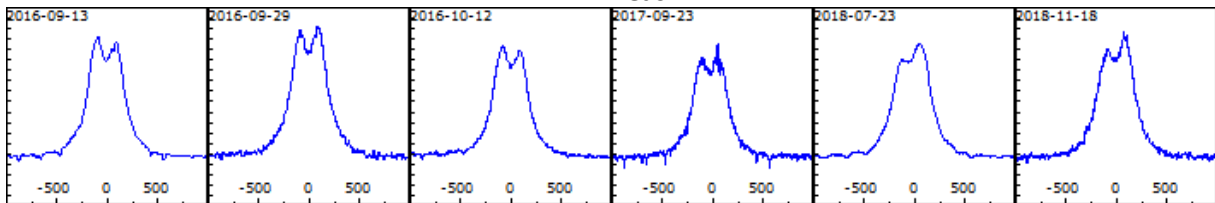
LQ And



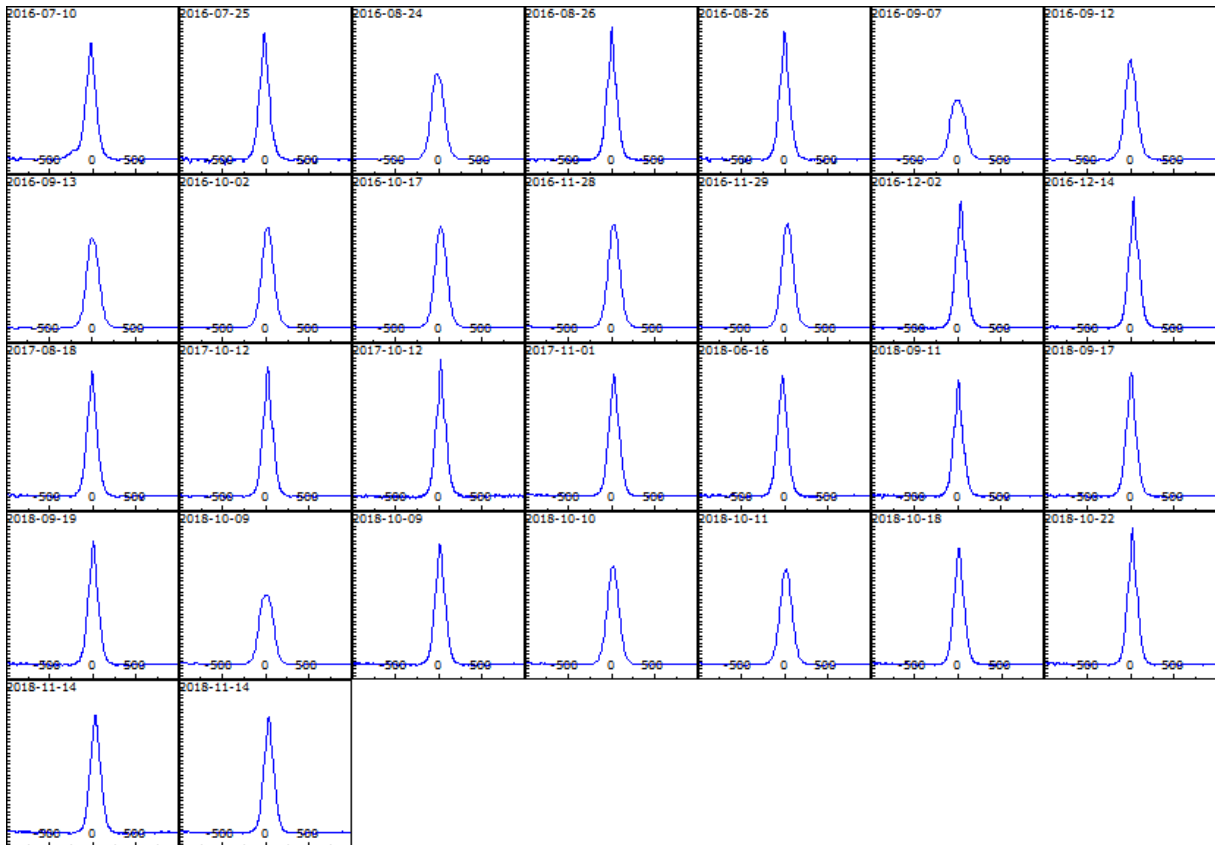
OT Gem



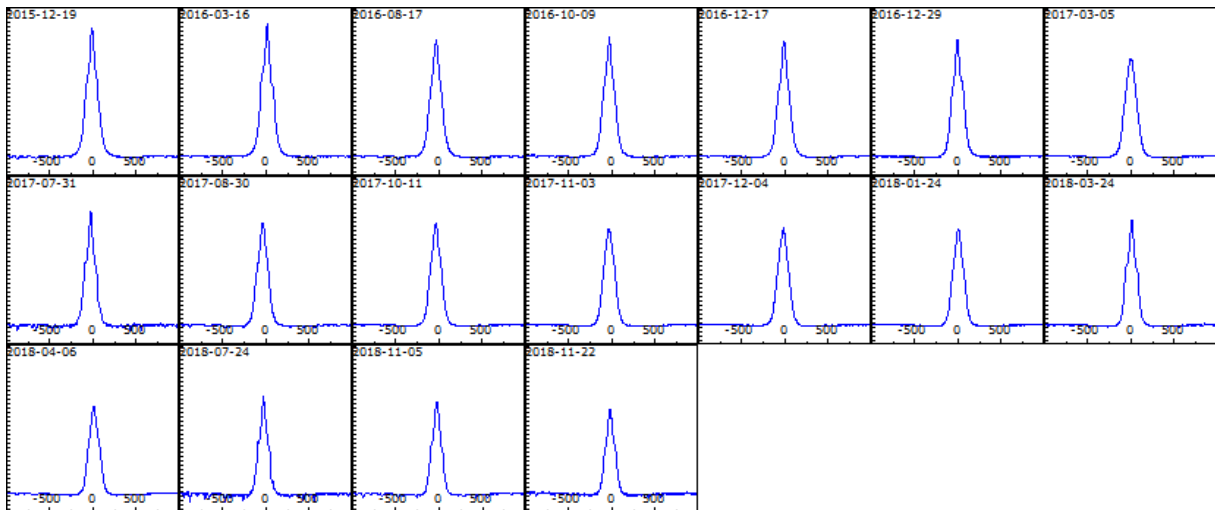
V777 Cas



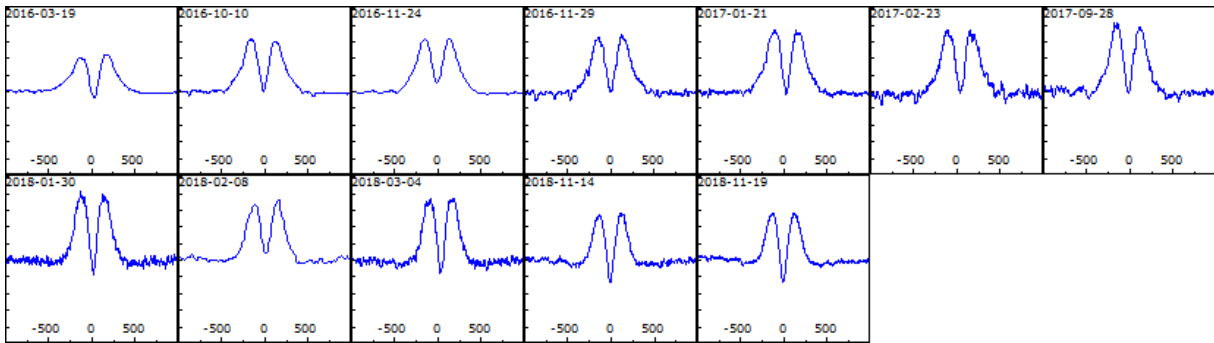
bet Psc



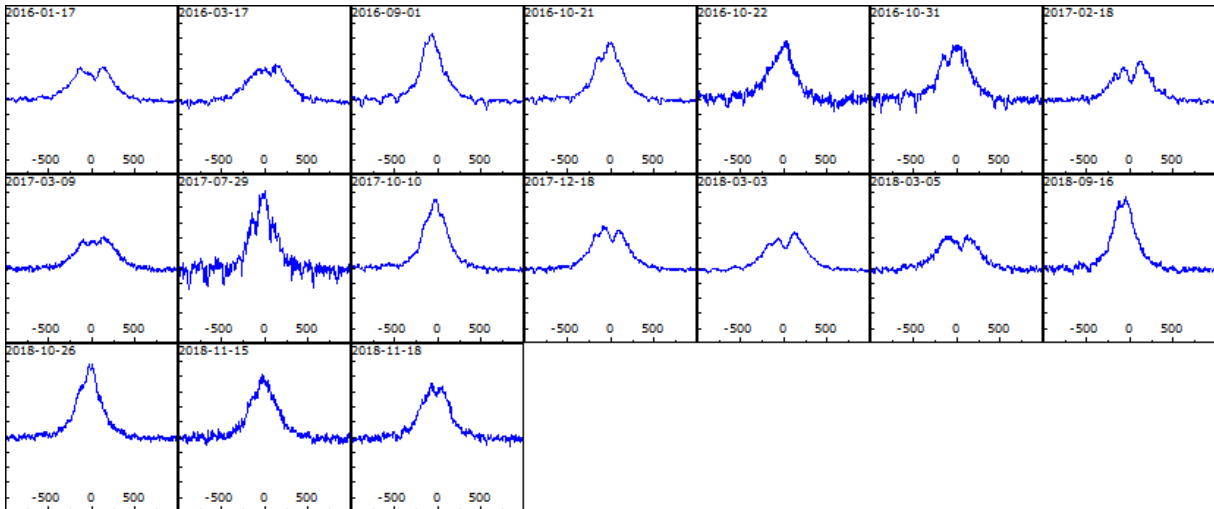
11 Cam



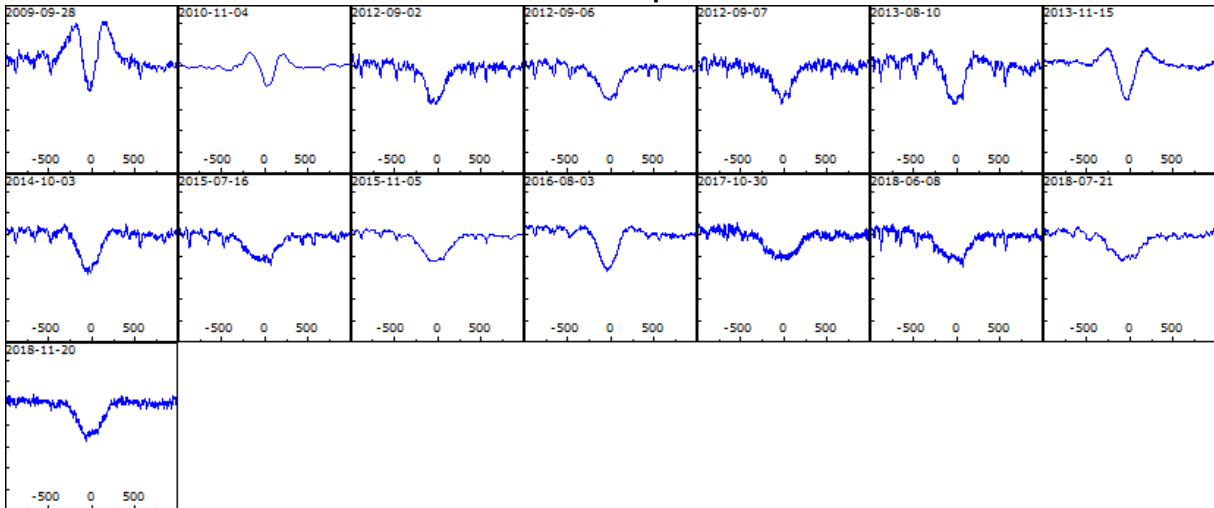
V1369 Ori



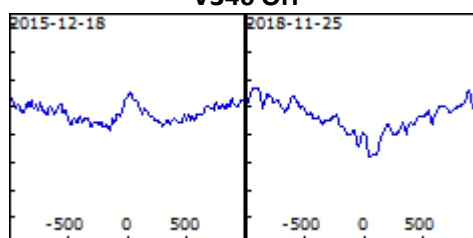
12 Aur



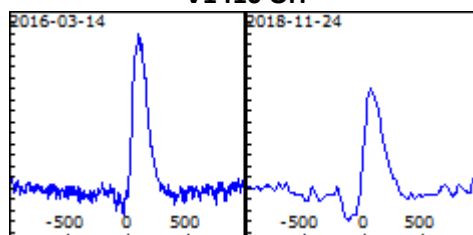
V439 Cep



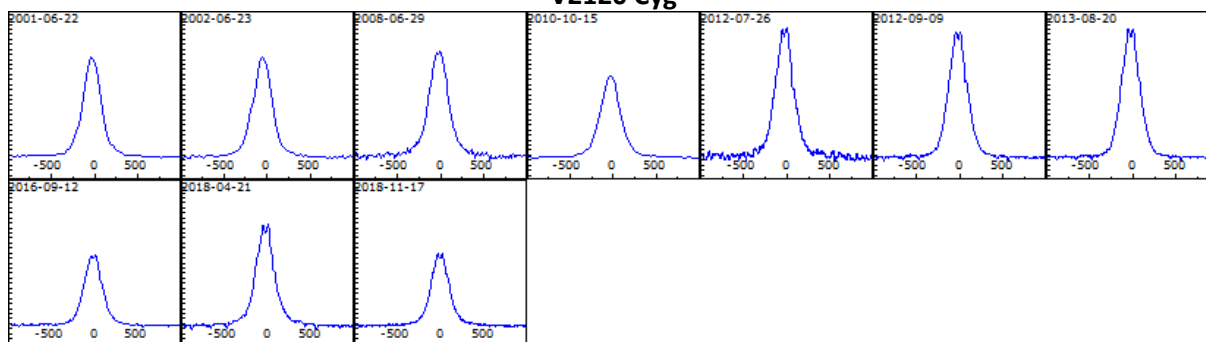
V346 Ori



V1410 Ori



V2120 Cyg



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.

Authors

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

BeSS database at <http://basebe.obspm.fr/basebe/>

ArasBeAM portal at <http://arasbeam.free.fr/>

