

BeSS report – November 2017

Data compiled by Valérie Desnoux – H-alpha monitoring

- 133 stars were observed
- 17 Observers contributed this month
- 291 Spectra

Observers...

Observateur	Nb spec
Thizy	101
Buil	59
Guarro Fló	27
GARDE	26
bertrand	22
Sawicki	19
Graham	7
Luckas	6
Bohlsen	6
Leonardi	6
Rodda	4
Daglen	2
Li	2
Lemoult	1
Stiewing	1
KREIDER	1
de Bruin	1

Events of the month...

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

EE	ME	DE	EE	ME	DE
OT Gem	FF Cam	HD 76868	B2Ve	B9e	B5e
V421 Cep	kap Dra	phi And	B2IIIe	B6IIIpe	B7Ve
DE Cam	zet Tau	25 Ori	B1Vnnpe	B2IVe	B1Vpe
HD 281192	CX Dra	lam Eri	B3Vne	B2.5Ve	B2IVne
V370 Pup	15 Mon	alf Col	B2Vne	B1Ve	B9Ve
HD 55135	59 Cyg	V581 Per	B2.5Ve	B1.5Vnne	B1.5Vne
HD 13669	phi Per	HD 57682	B3IVe	B2Vpe	O9Ve
V2135 Cyg	31 Peg	HD 11554	B1Vnnpe	B2IVe	B1Vpe
V811 Cas	HD 29557	V787 Cas	B0.5Vpe	B3Ve	B2IIIe
HD 37115	HD 217061	HD 232552	B6Ve	B1Vne	B0pe
HD 37806	V743 Mon	V434 Aur	A0e	B7IIIe	B3Vne
	eta Ori	HD 225095		B0.5Ve	B2IVne
	V594 Cas	HD 37149		B3Ve	B8Ve
	CW Cep	V416 Aur		B1Vve	B2Vpe
	120 Tau	HD 15963		B2IVe	A1IIe
	RW Tau	AB Aur		B8Ve	A0Vpe
	V780 Cas			B1Vpe	

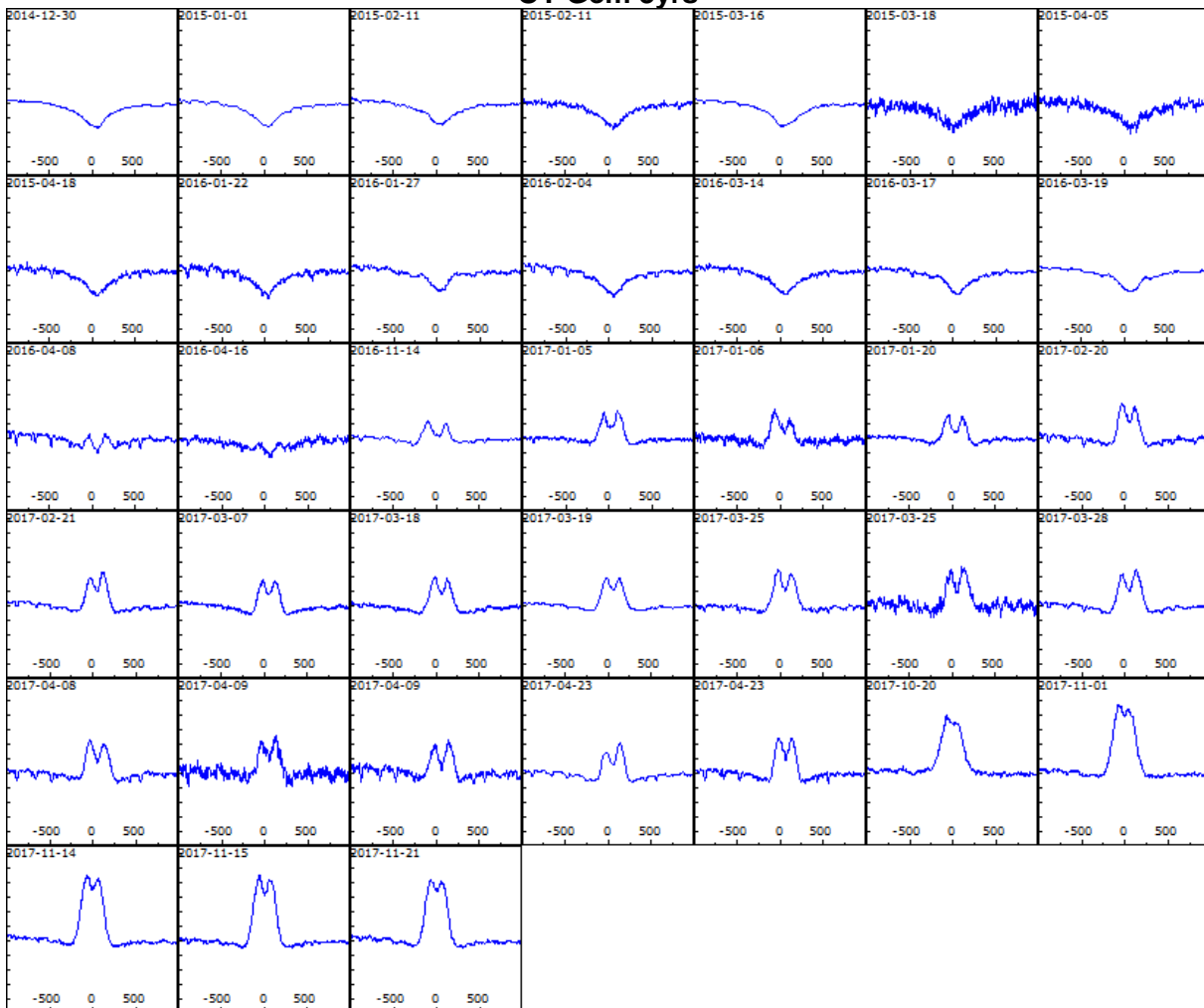
Objects observed

Classique							B[e]	Herbig
gam Cas	SHELIAC	10 Cas	omi Aqr	HD 207232	BD+62 285	HD 37330	V594 Cas	AB Aur
zet Tau	omi Her	60 Cyg	lam Eri	HD 61224	HD 19993	HD 15963	HD 281192	HD 37806
PLEIONE	CX Dra	25 Cyg	13 Tau	HD 225095	HD 37149	HD 72043	CI Cam	
V442 And	HD 50658	16 Peg	ALCYONE	HD 71072	V811 Cas	V743 Mon	EM* MWC 137	
OT Gem	15 Mon	V421 Cep	eps Cap	HD 4931	V731 Tau	HD 89884		
FF Cam	phi And	ELECTRA	V783 Cas	V978 Cas	HD 37115	V2135 Cyg		
bet CMi	59 Cyg	HD 18552	MEROPE	Menkhib	HD 32358	HD 190864		
ome Ori	28 Cyg	tet Ari	HD 13669	CT Cam	RW Tau	HD 217061		
nu Gem	iot Lyr	HD 216057	HD 192445	CW Cep	V416 Aur	VV PsA		
PHECDA	NW Ser	KY And	V787 Cas	V434 Aur	V355 Per	HD 232588		
kap Dra	4 Aql	25 Ori	kap Aql	V413 Aur	HD 81357	alf Col		
HD 79066	HD 224544	HD 24479	11 Cam	HD 23800	HD 53416	HD 29373		
17 Sex	V378 And	LQ And	HD 21455	HD 232590	V780 Cas	HD 29557		

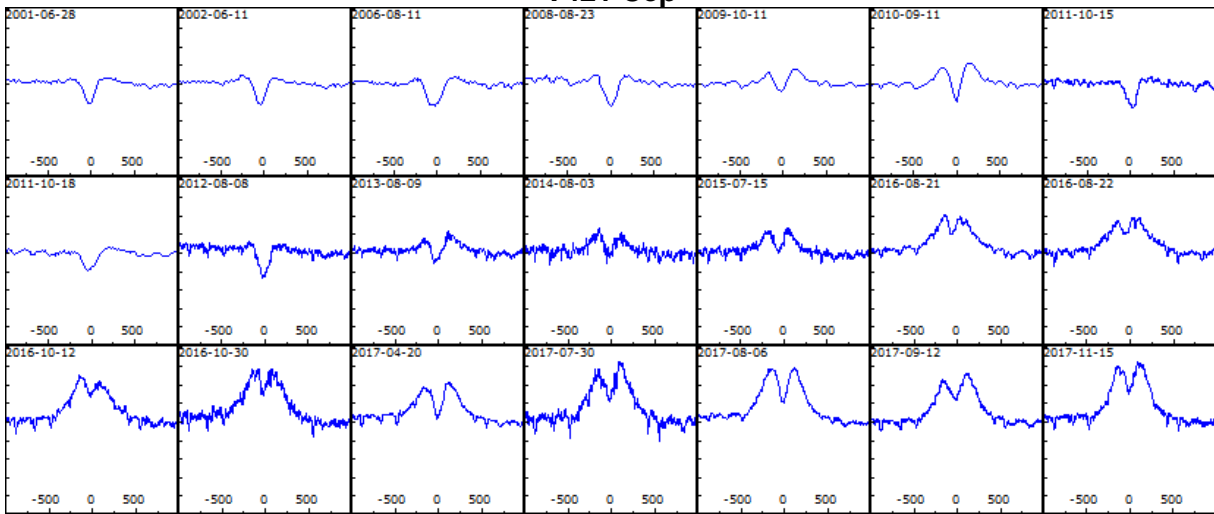
HD 70340	HD 22780	48 Per	eta Ori	6 Cep	BN Gem	V581 Per
phi Leo	18 And	bet Psc	HD 232552	120 Tau	V695 Mon	HD 11554
HD 44783	pi Aqr	31 Peg	V370 Pup	ACHERNAR	HD 43285	DE Cam
V647 Mon	ALFIRK	psi Per	HD 55135	omi And	eps Cas	phi Per
HD 76868	14 Lac	BK Cam	HD 37541	nu Cyg	QR Vul	HD 57682
HD 35345						

Emission increase since last observations

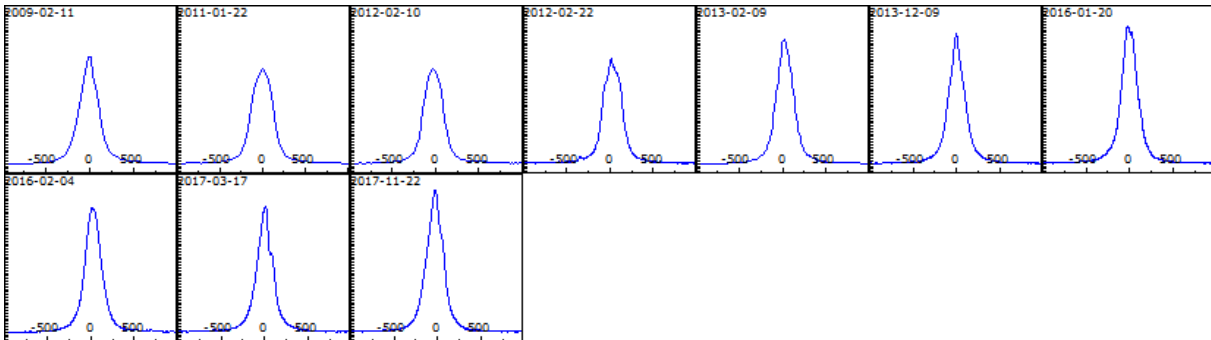
OT Gem 3yrs



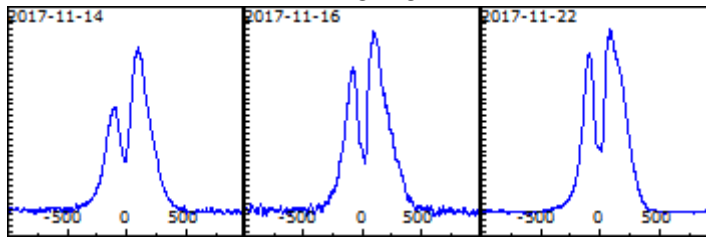
V421 Cep



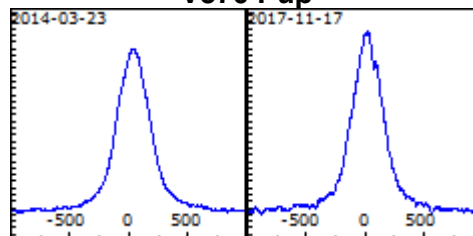
DE Cam



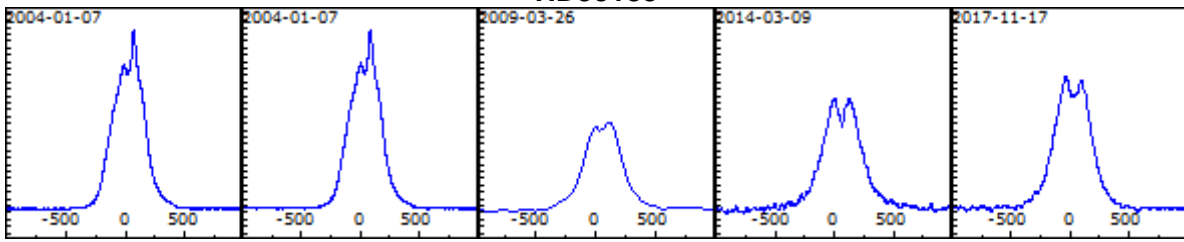
HD 281192



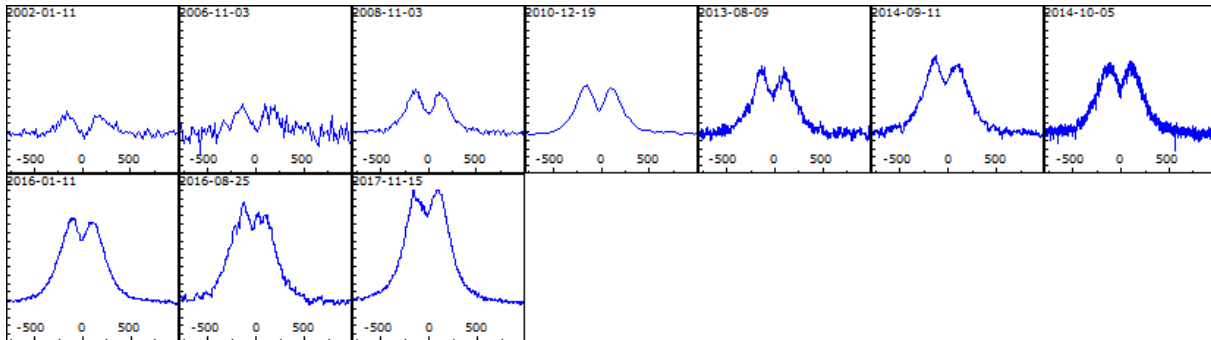
V370 Pup



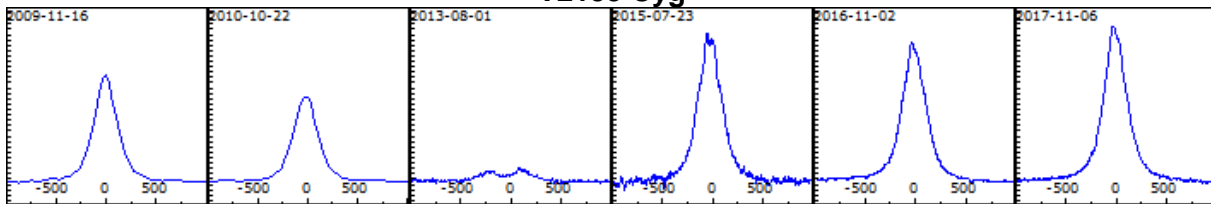
HD55135



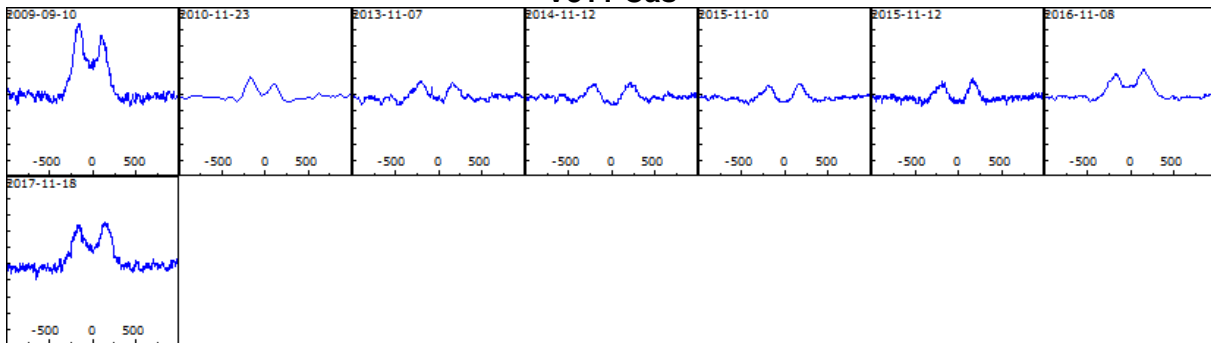
HD13669



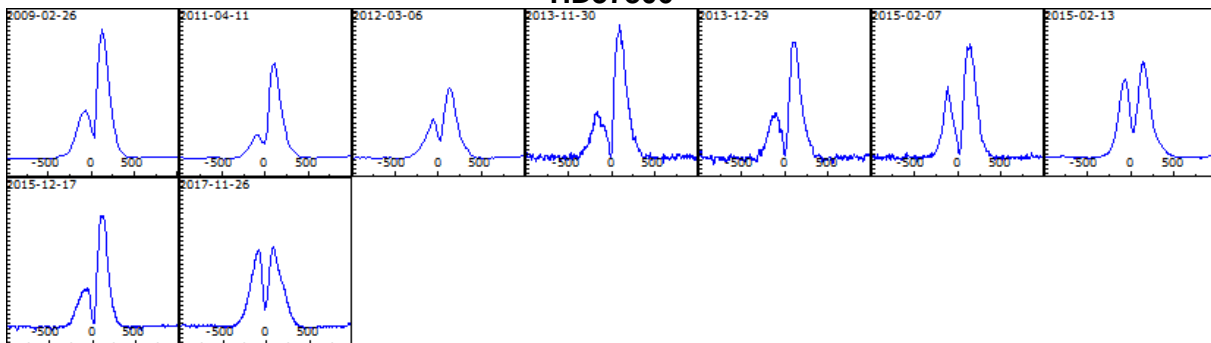
V2135 Cyg



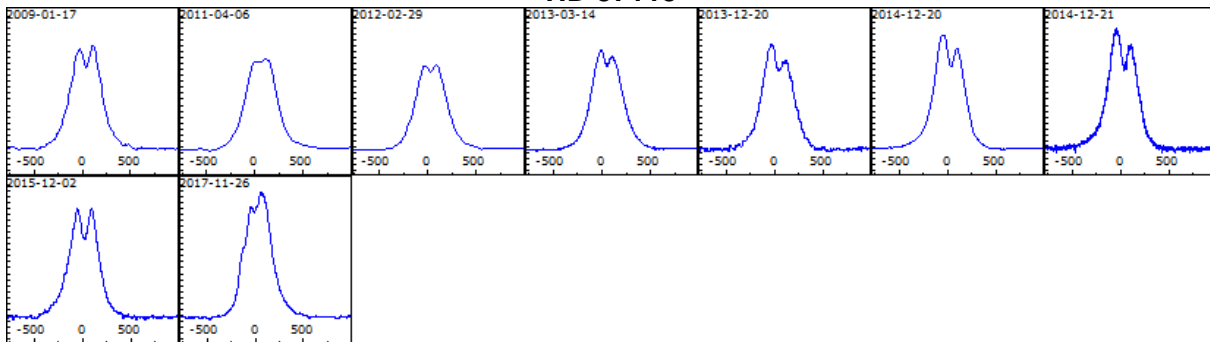
V811 Cas



HD37806

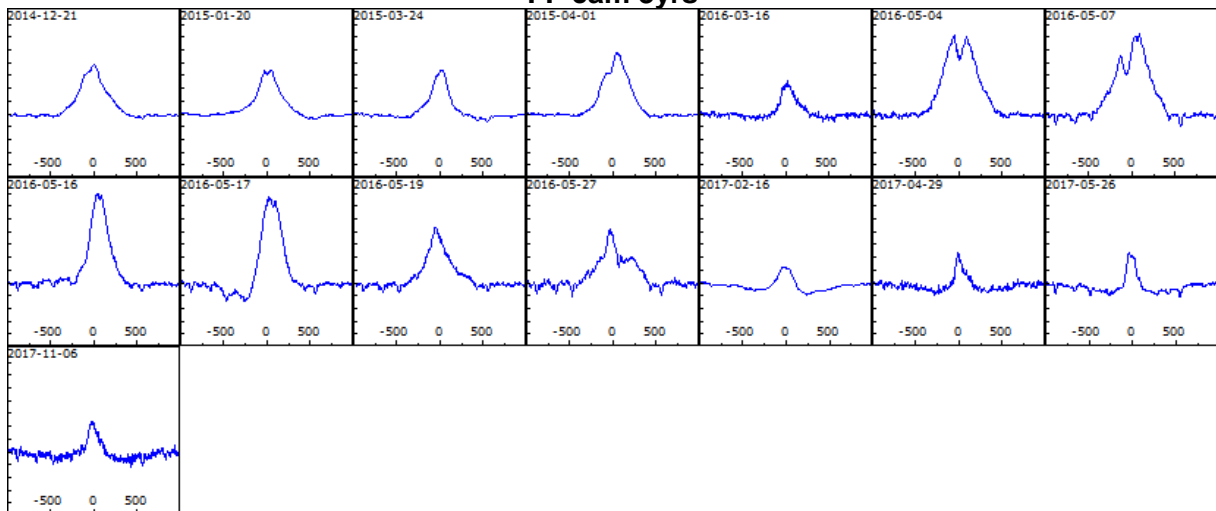


HD 37115

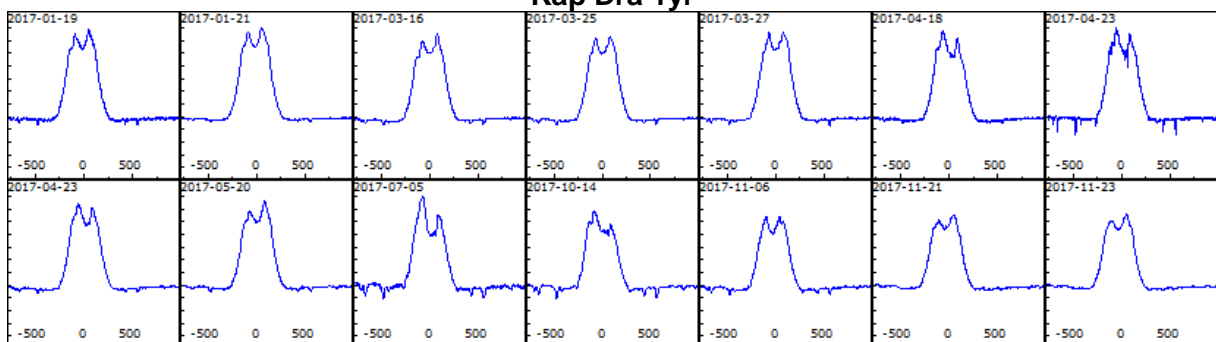


Moderate evolutions of H-alpha line

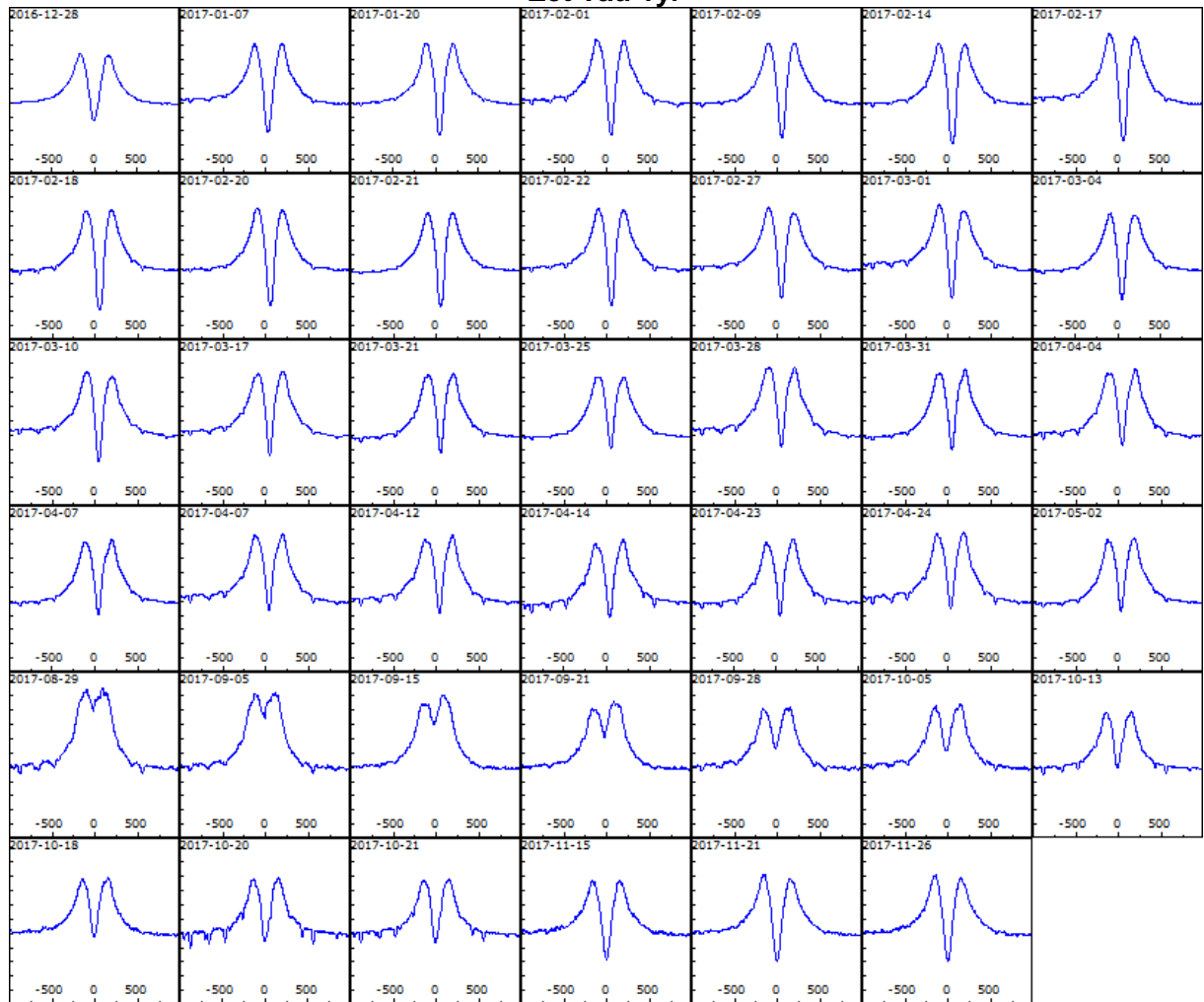
FF cam 3yrs



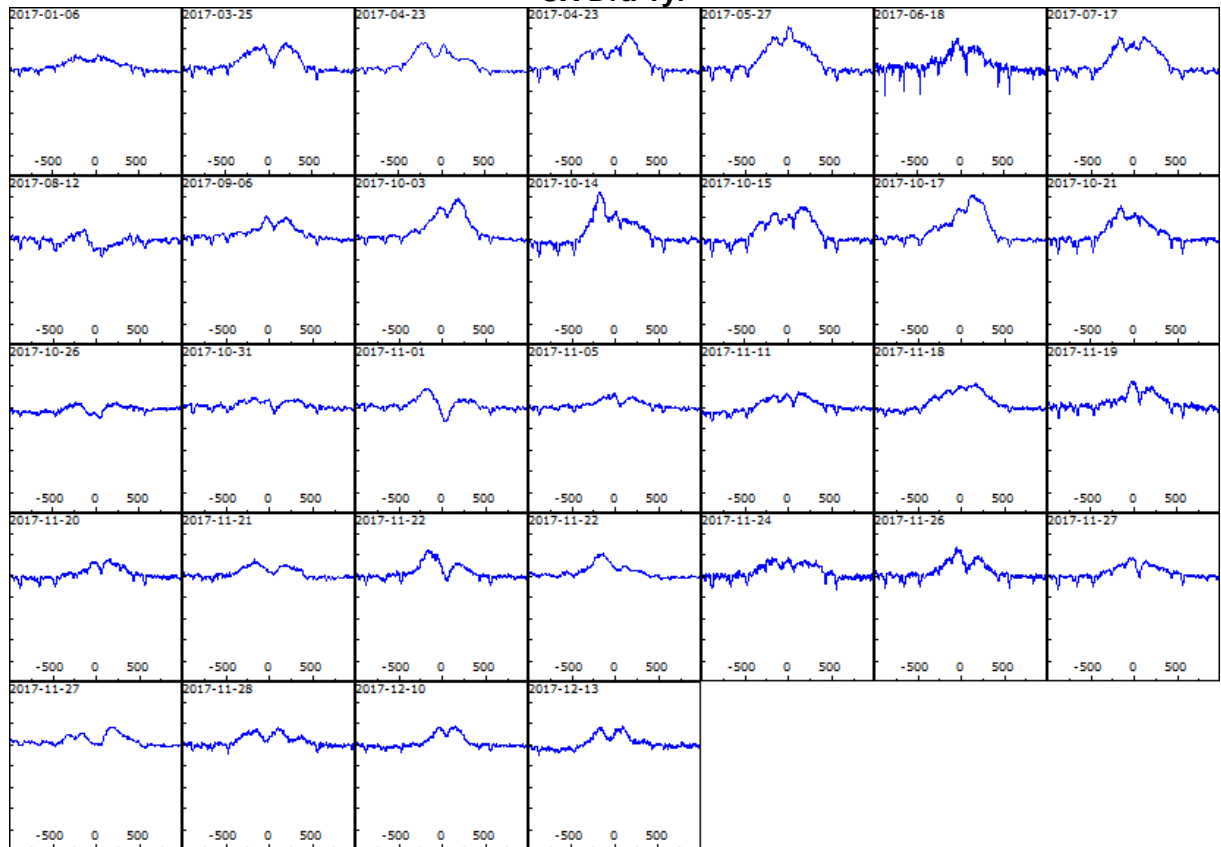
Kap Dra 1yr



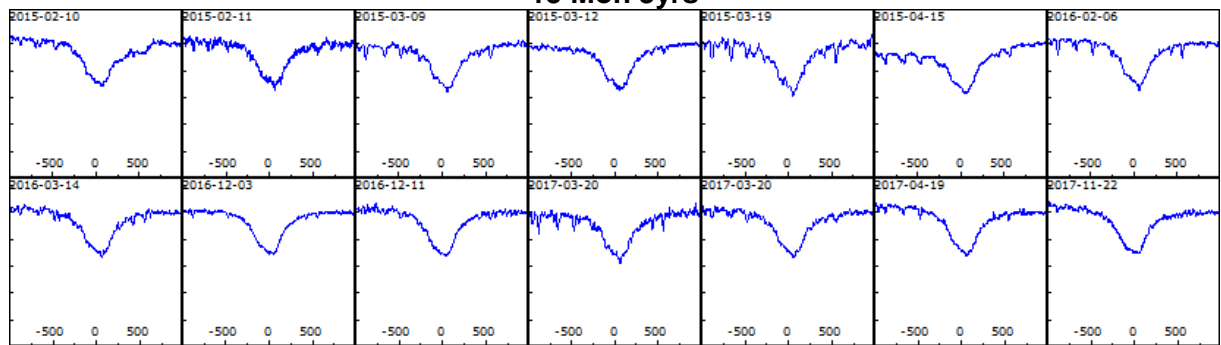
Zet Tau 1yr



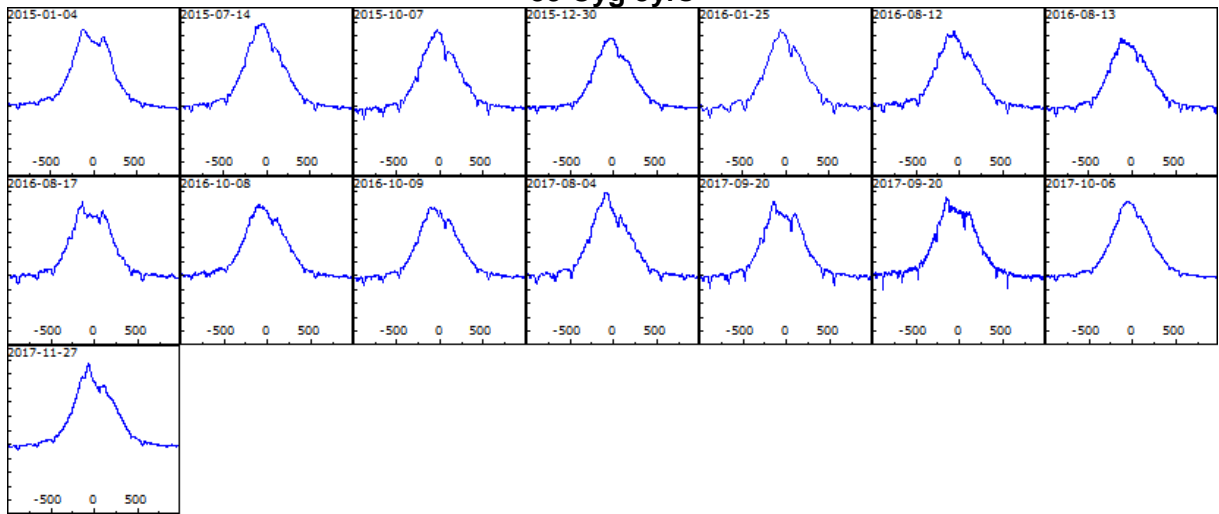
CX Dra 1yr



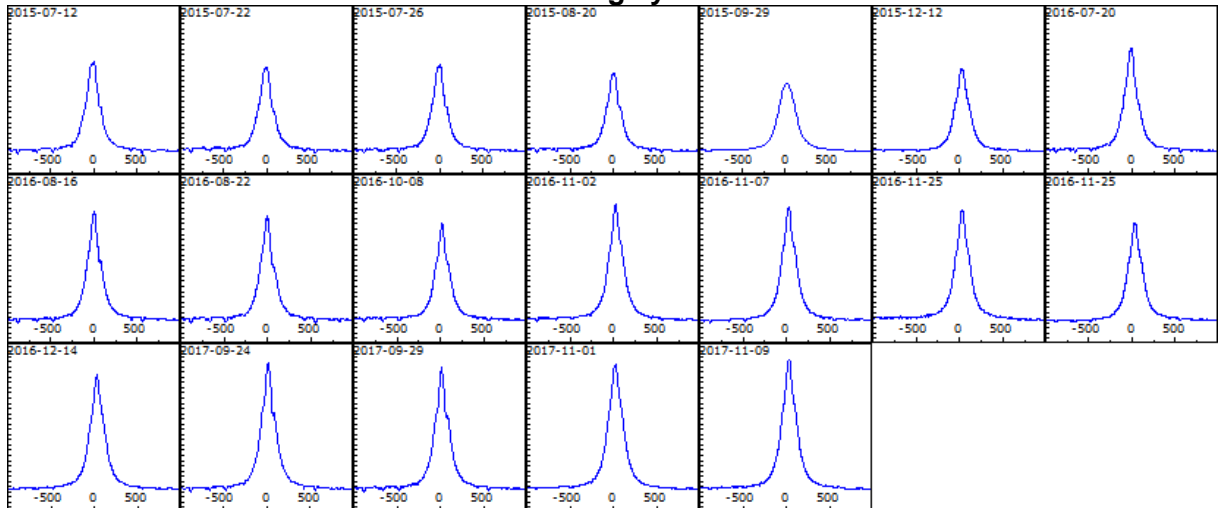
15 Mon 3yrs



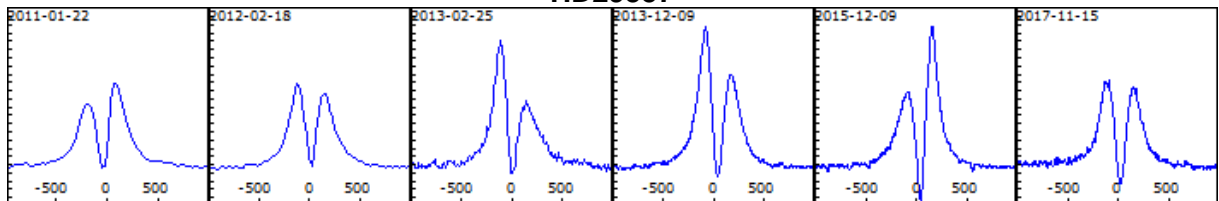
59 Cyg 3yrs



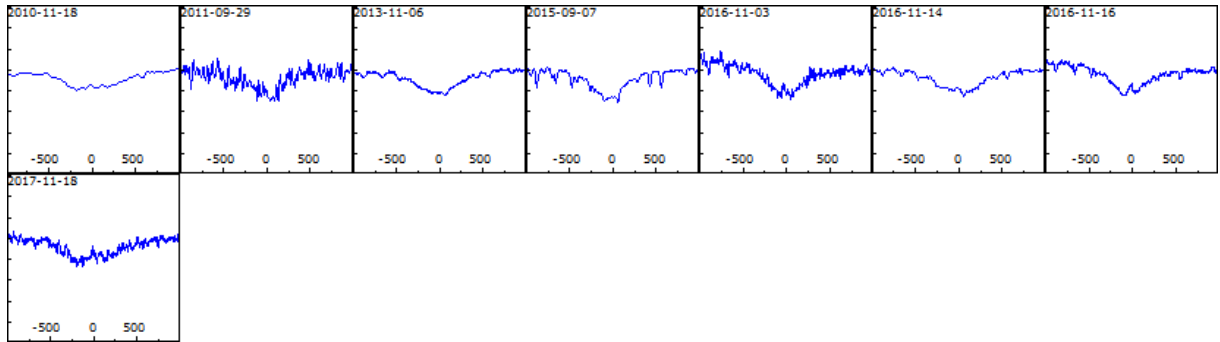
31 Peg 3yrs



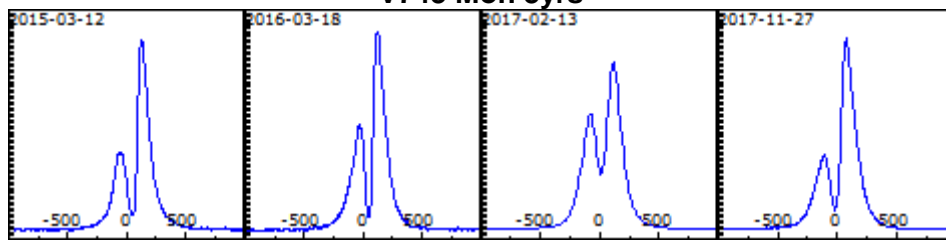
HD29557



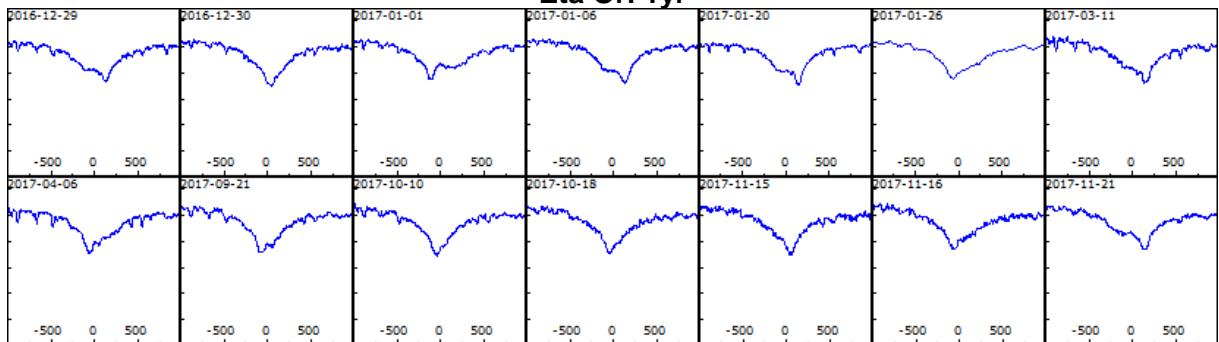
HD217061



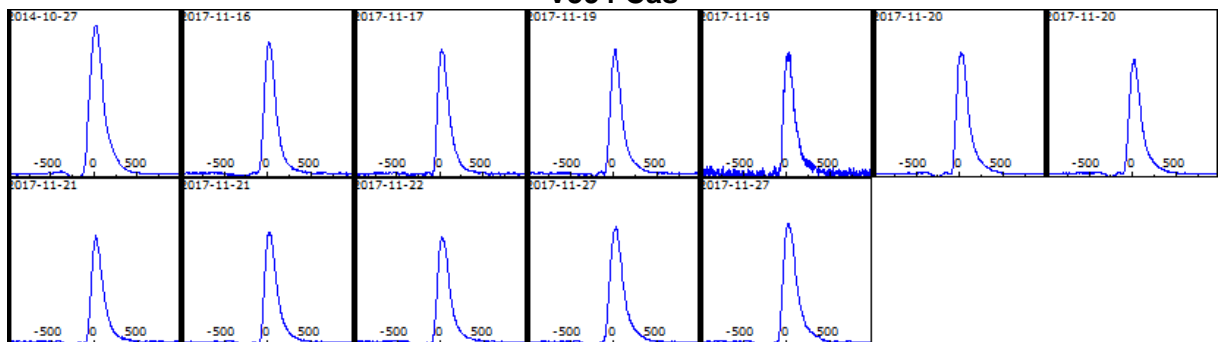
V743 Mon 3yrs



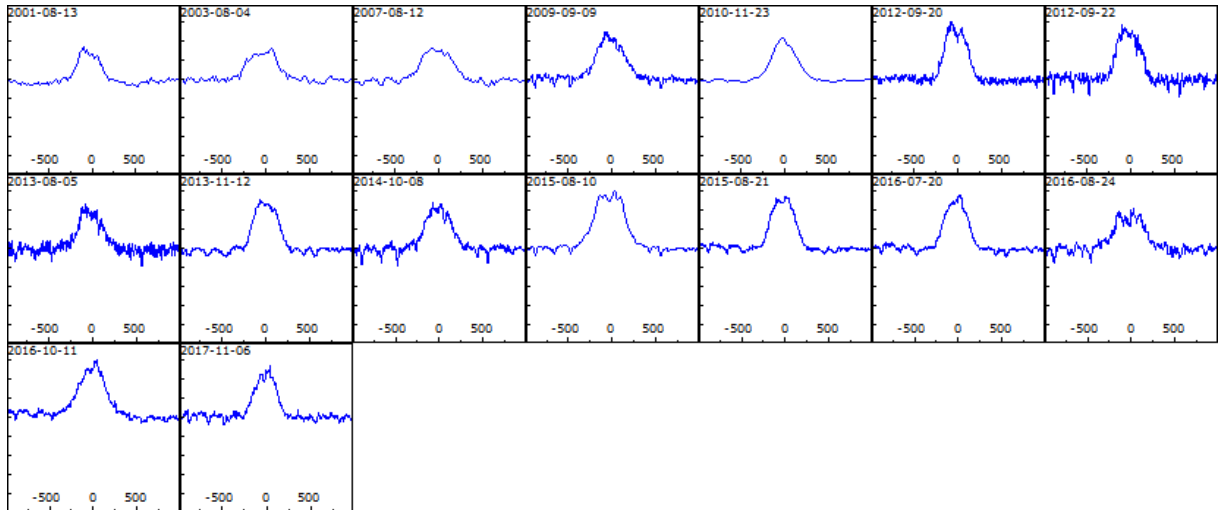
Eta Ori 1yr



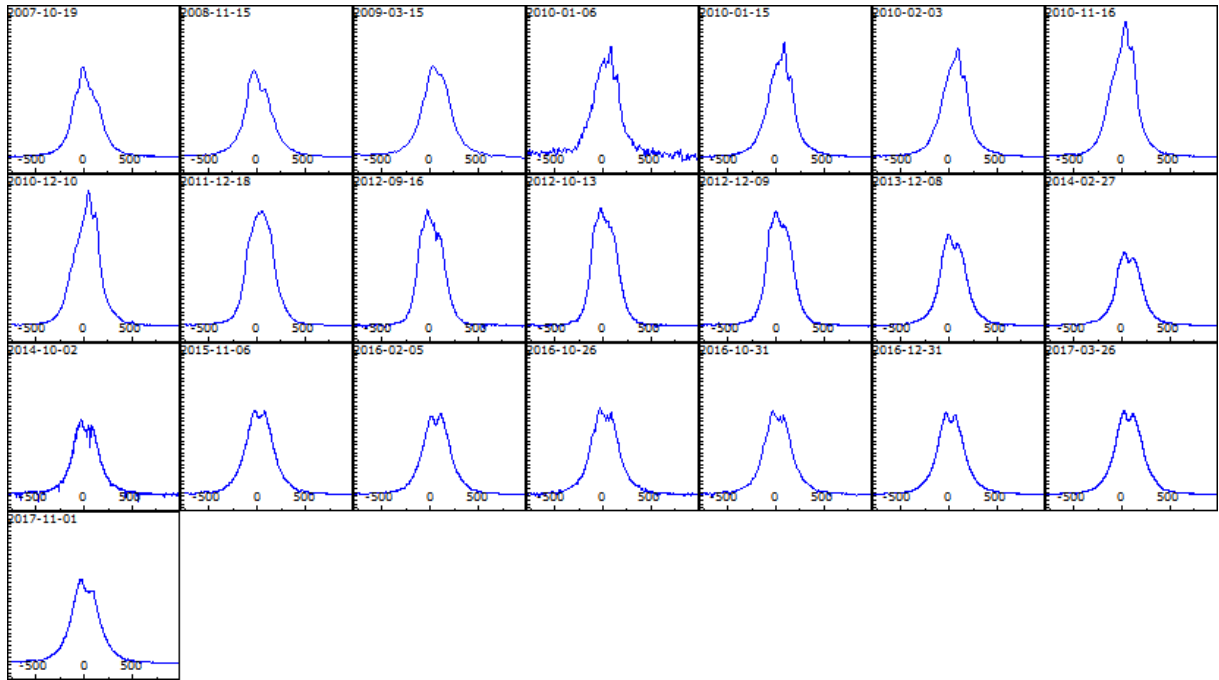
V594 Cas



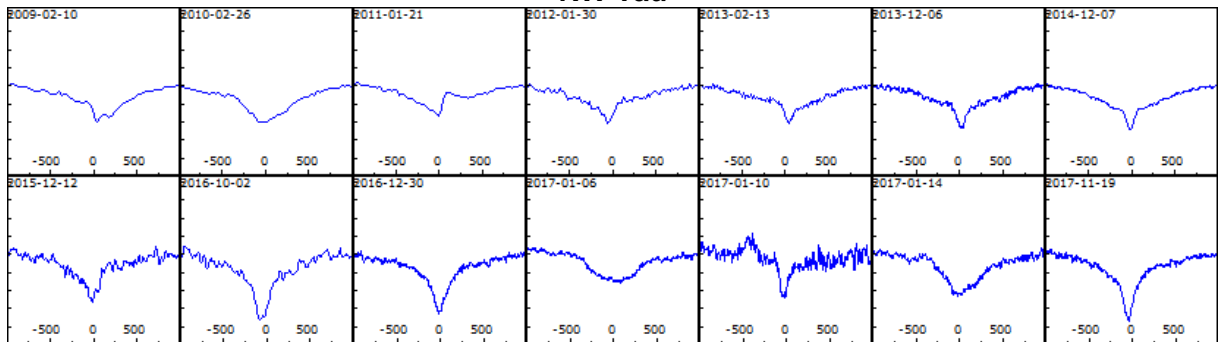
CW Cep



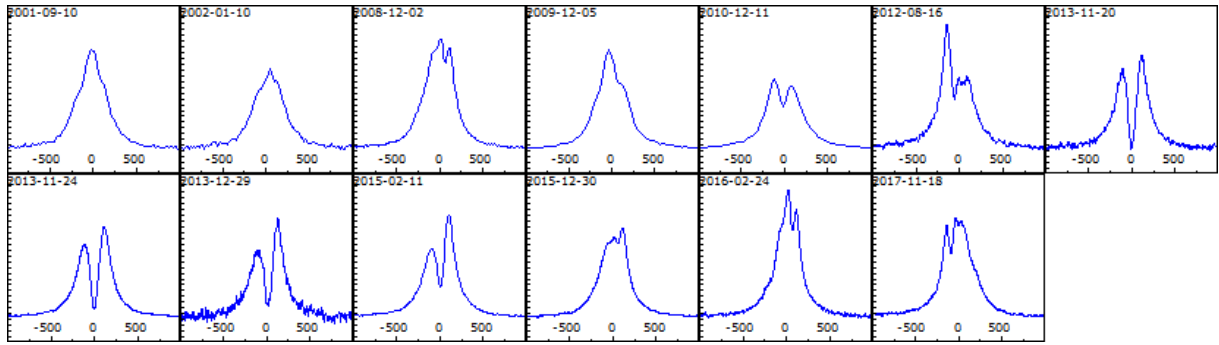
120 Tau



RW Tau

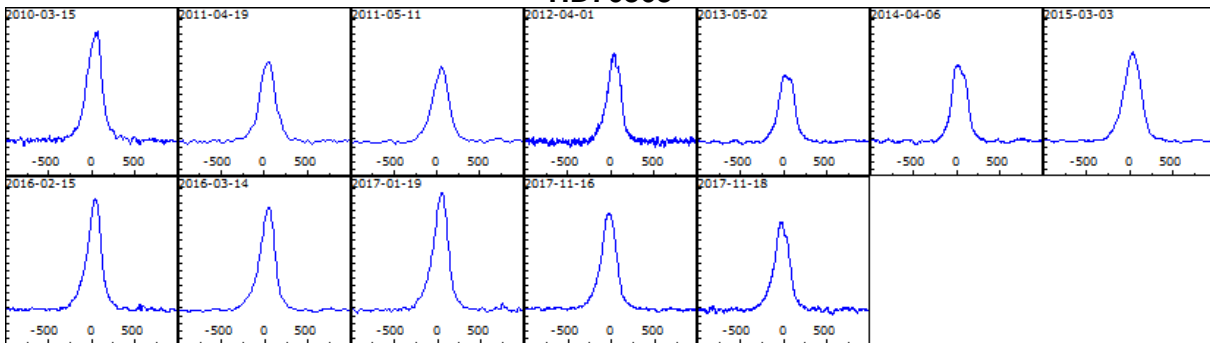


V780 Cas

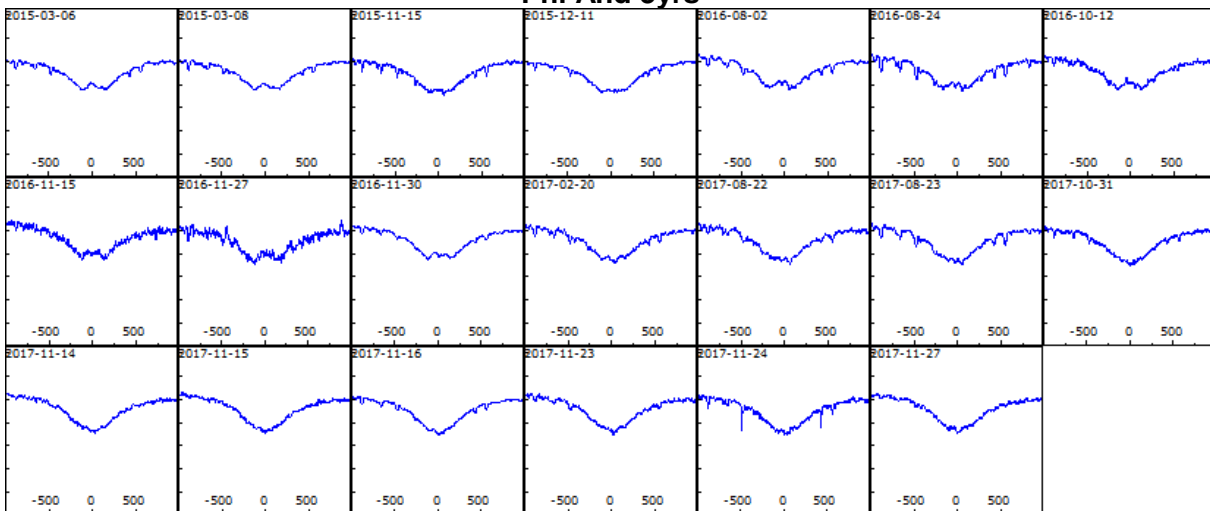


Emission decrease of H-alpha line

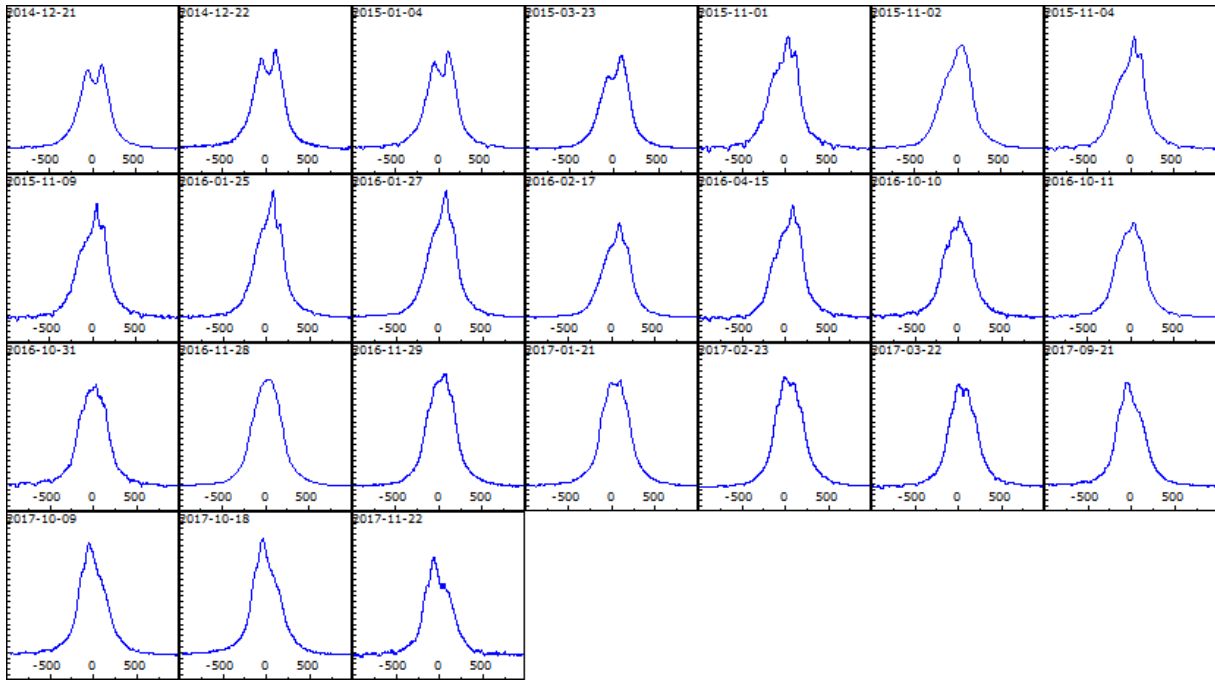
HD76868



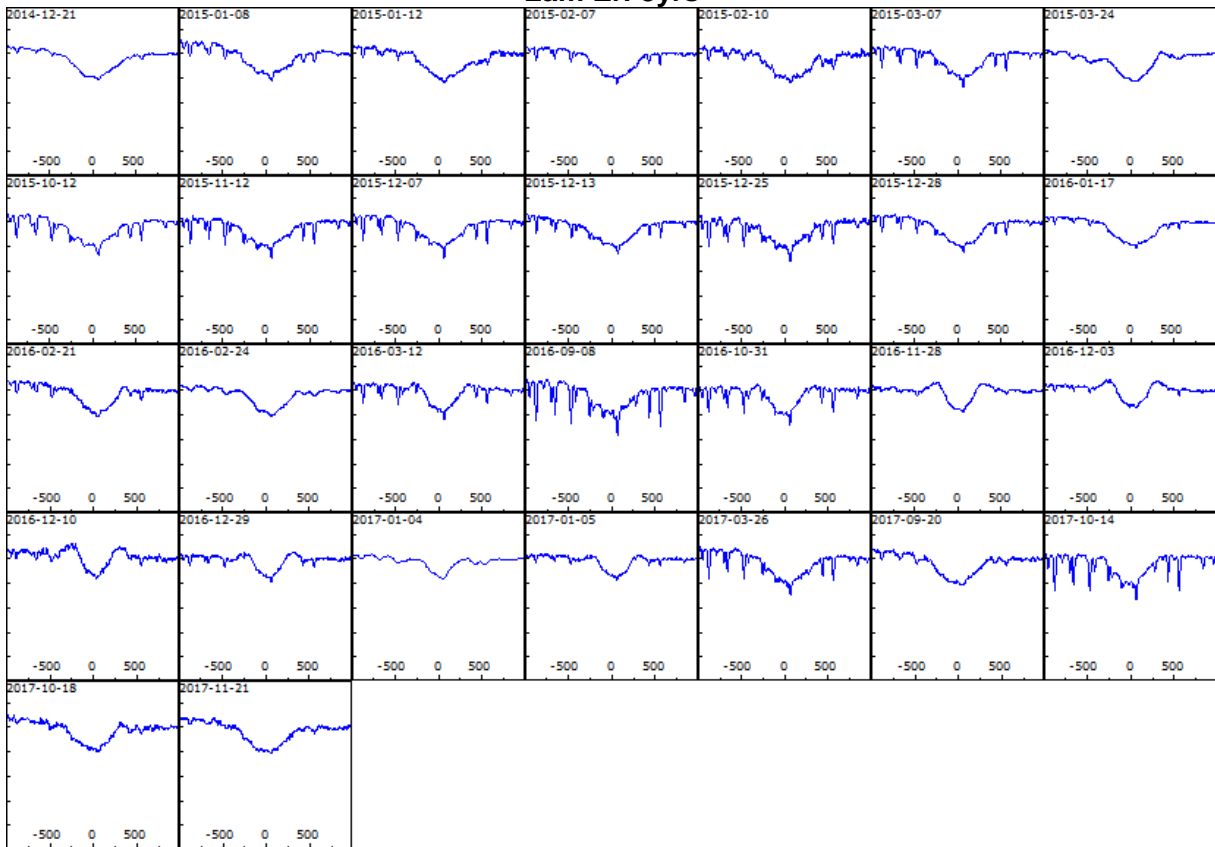
Phi And 3yrs



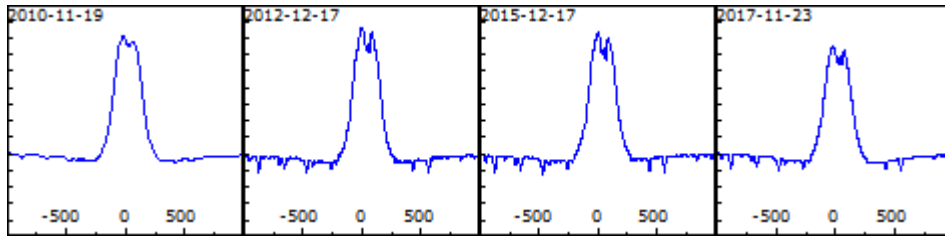
25 Ori 3yrs



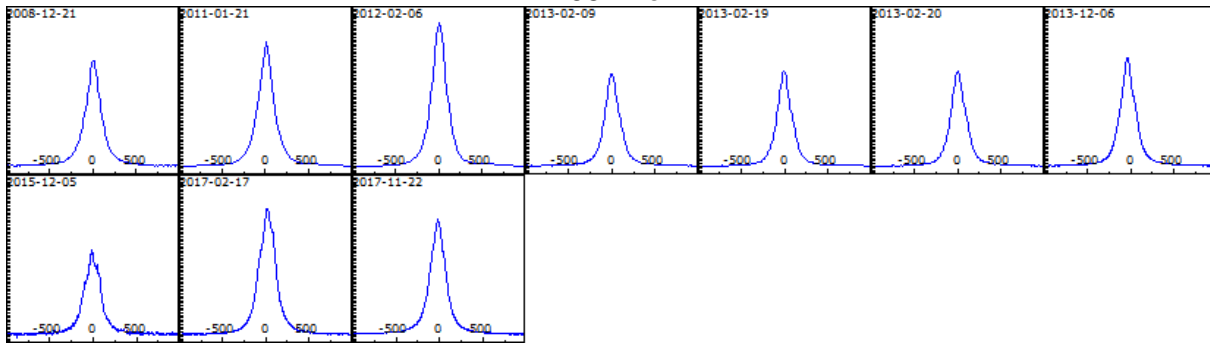
Lam Eri 3yrs



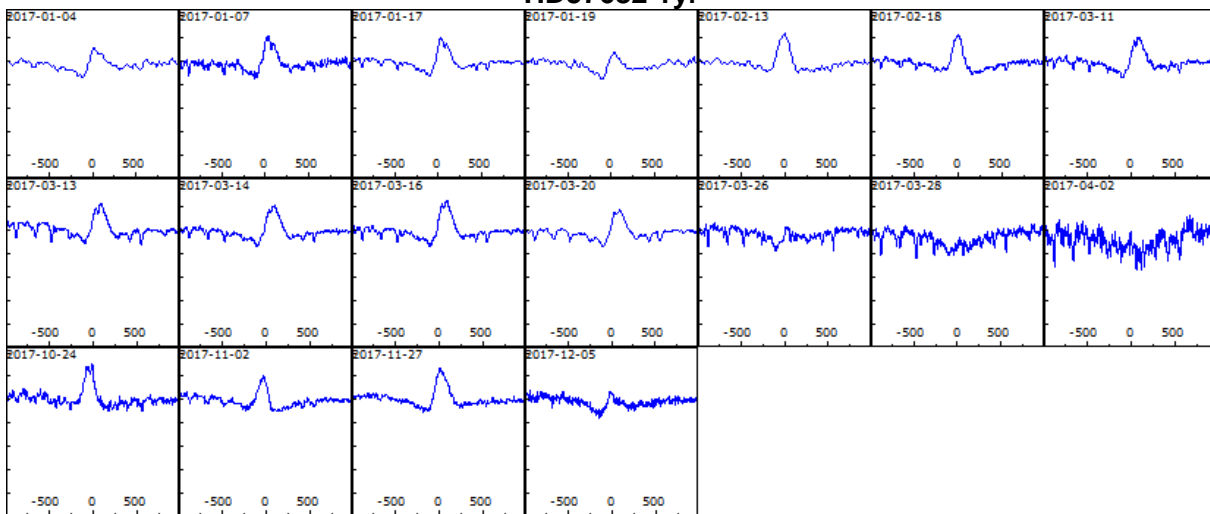
Alf Col



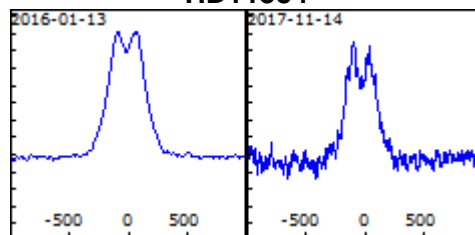
V581 Per



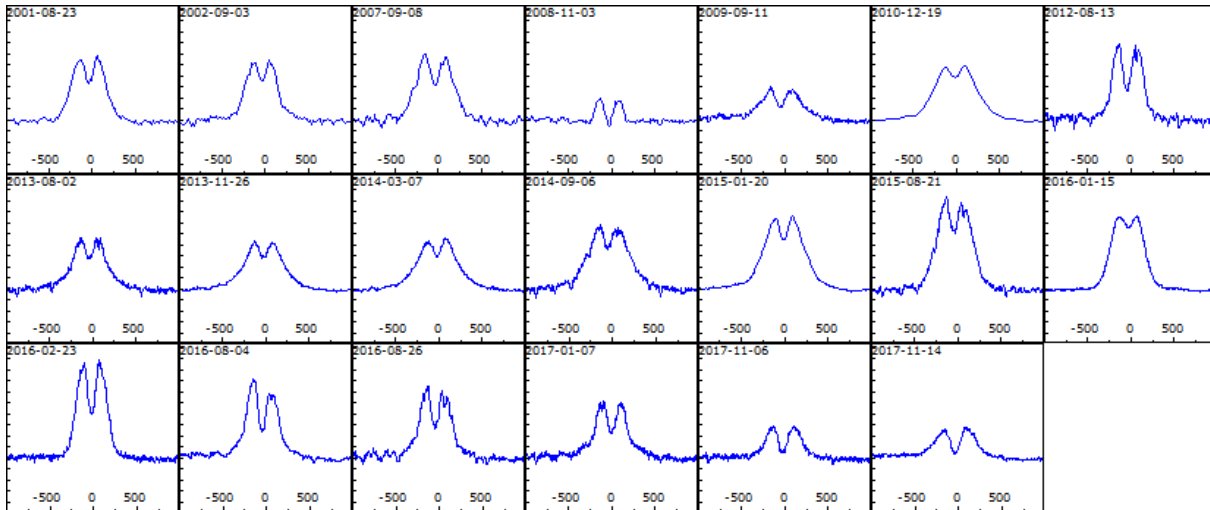
HD57682 1yr



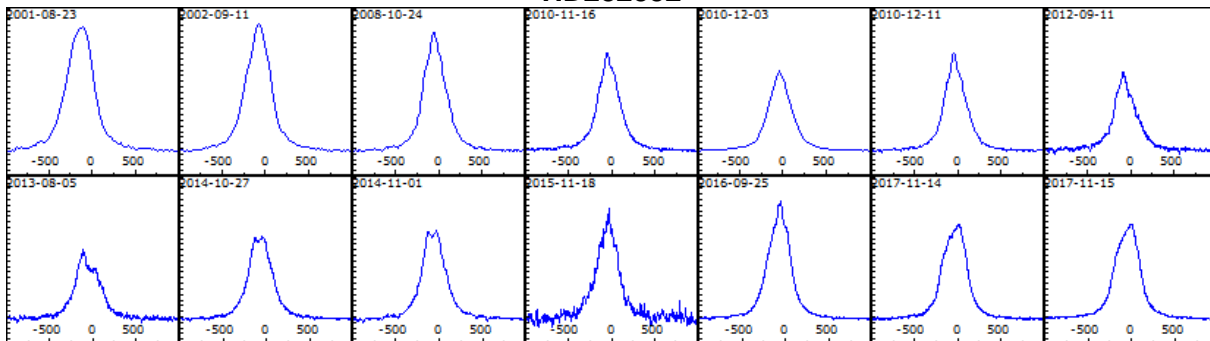
HD11554



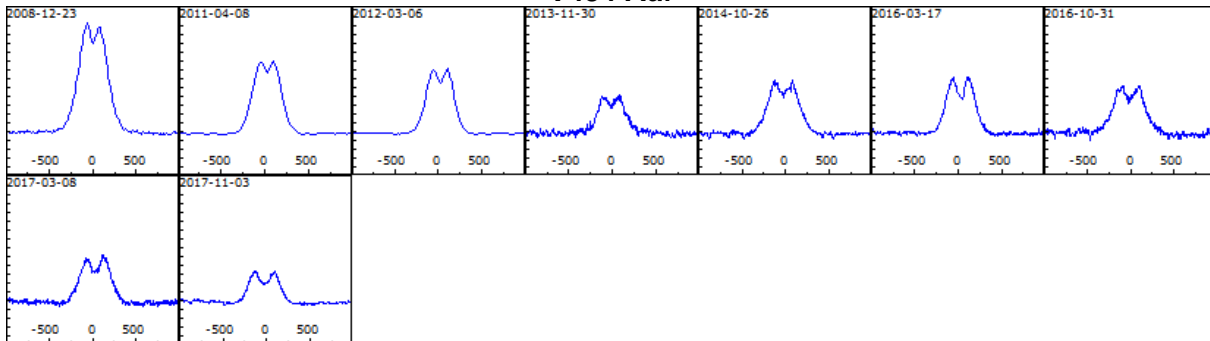
V787 Cas



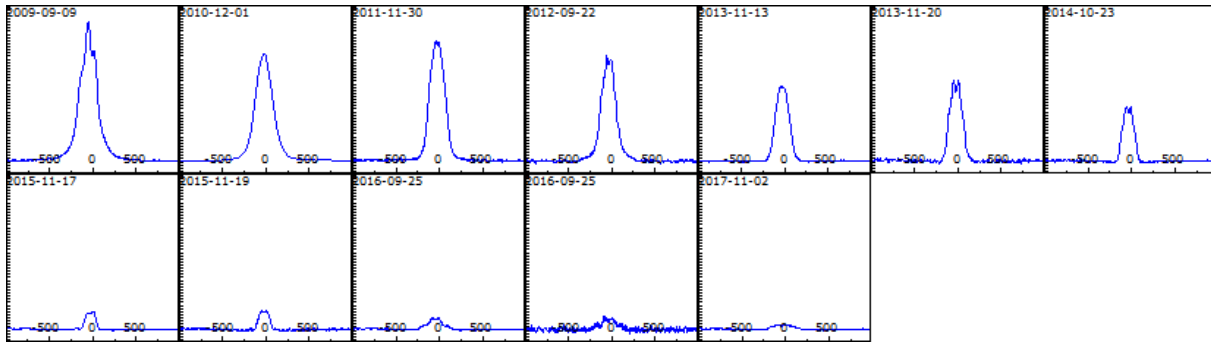
HD232552



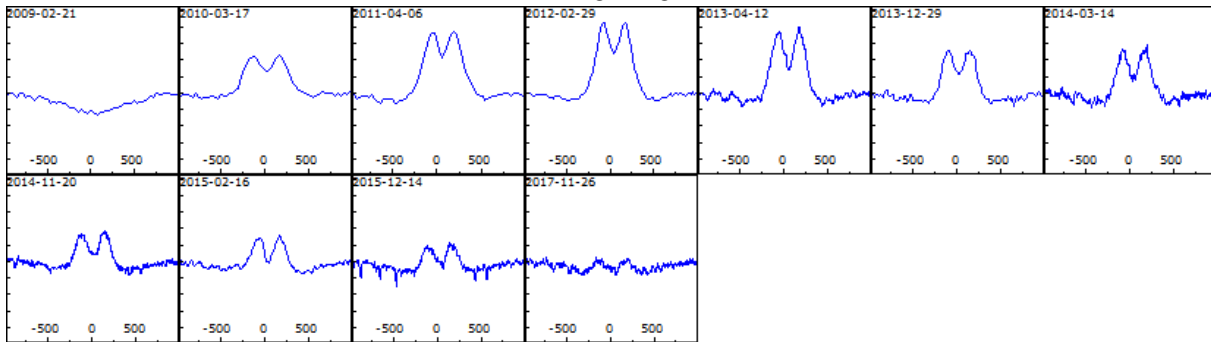
V434 Aur



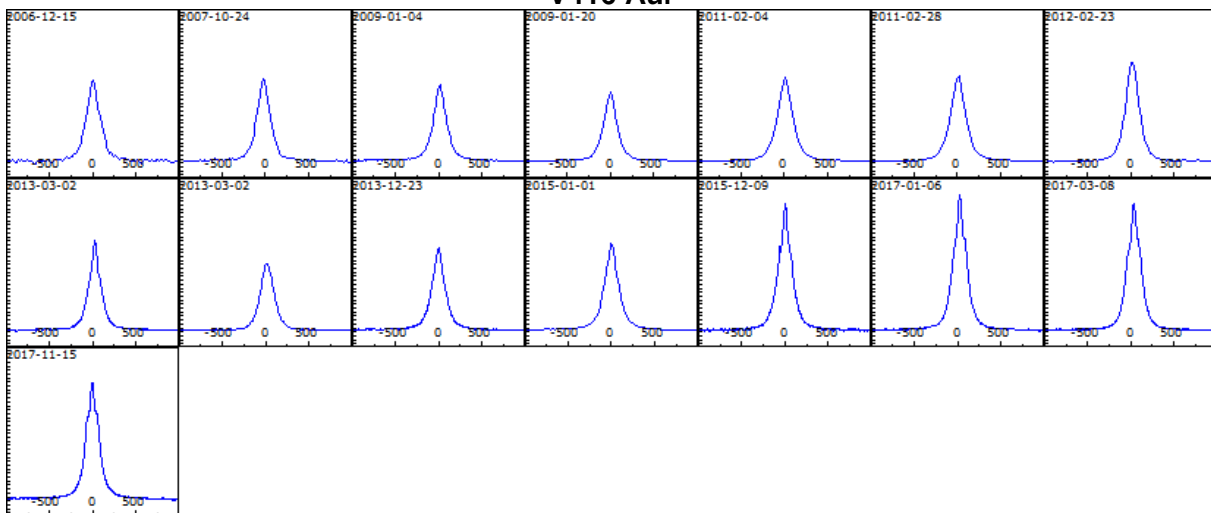
HD225095



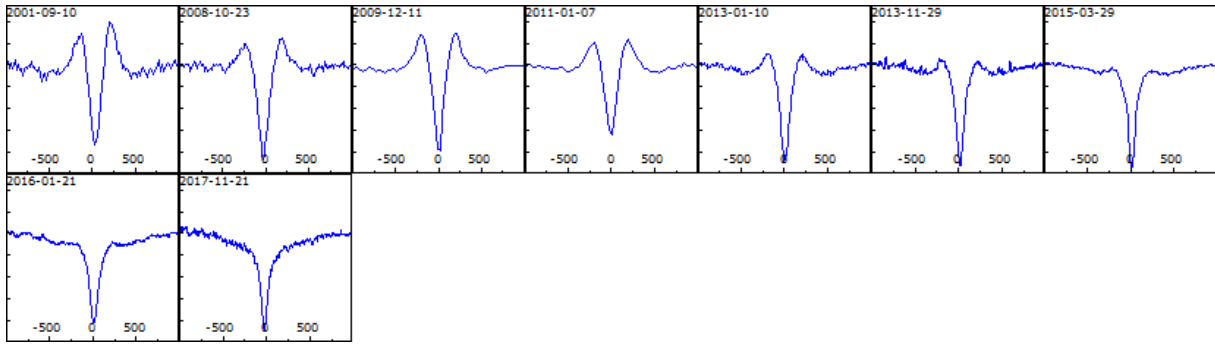
HD37149



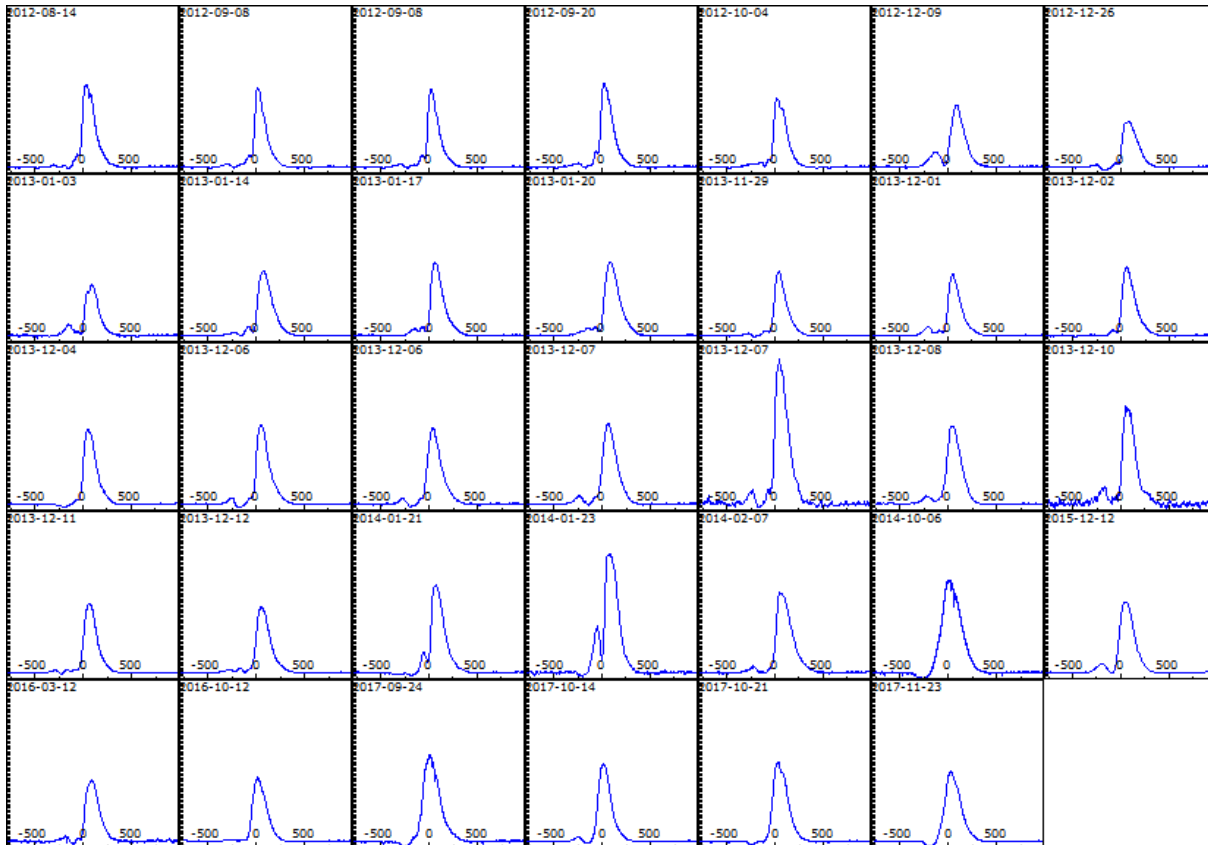
V416 Aur



HD15963



AB Aur



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.

Author

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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/>