

BeSS report – August 2018

Data compiled by Valérie Desnoux – H-alpha monitoring

- 105 stars were observed
- 24 Observers contributed this month
- 412 Spectra

Observers...

Observateur	Nb spec
Thizy	95
HOUPERT	86
bertrand	41
GARDE	41
Charbonnel	34
TERRY	17
Bryssinck	15
Lecocq	15
Sawicki	13
Guarro Fló	11
Halsey	7
Fosanelli	7
Gurney	6
Dejean	6
KREIDER	4
Li	4
Bohlsen	4
Martineau	2
GUEGAN	2
Montigiani Mannucci	1
Stiewing	1
Total général	412

Events of the month...

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

EE	ME	DE	EE	ME	DE
LQ And	zet Tau	HD 171780	B4Vne	B9.5Ve	B5Vne
ELECTRA	V2119 Cyg	HD 177648	B6IIIe	B2Vne	B2Ve
omi Cas	V974 Her	HD 173817	B5IIIe	B8Vne	B6IVe
V568 Cyg	CX Dra	HD 193182	B2IVe	B2.5Ve	Ape
HD 192445	28 Cyg	HD 23552	B0.5IIIe	B2.5Ve	B8Vne
V742 Cas	7 Vul	KX And	B5IIe	B5Vne	Bpe
HD 6343	EW Lac	V341 Sge	B8e	B3IVpe	B2.5Ve
HD 232552	pi Aqr	HD 13867	B0pe	B1Ve	B5Ve
CT Cam	ALFIRK	8 Lac A	B2Vne	B2IIIev	B2Ve
EE Cep	14 Lac	CW Cep	B2IVe	B3IVe	B1Vve
HD 213088	V558 Lyr	BD+61 39	B9e	B3Ve	B0.5IVe
HD 235795	KY And	V409 Lac	B8Vne	B3IVe	B2e
V442 And	V764 Cas	V2175 Cyg	B2IVe	B2IIIine	B2e
	V782 Cas	HD 215605		B6IIe	B5ne
	HD 206773	QR Vul		B0Vpe	B3Ve
	HD 207232			B9e	
	69 Ori			B5Vne	
	HD 163296			A1Ve	
	HD 190864			O7IIIe	
	HD 168135			B8e	
	lam Cyg			B5Ve	
	omi And			B6IIIpe	

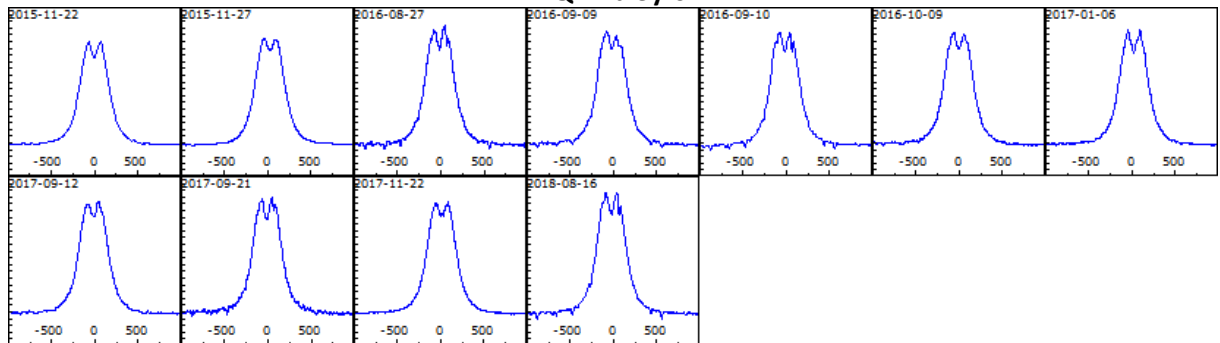
Objects observed

Classique						?	Herbig
gam Cas	7 Vul	V558 Lyr	LQ And	HD 17505	HD 191378	W Del	BD+41 3731 HD 163296
zet Tau	HD 174179	eps Cas	V568 Cyg	HD 207232	HD 190864	CI* NGC 7235 HOAG 9	
PLEIONE	NW Ser	ups Sgr	31 Peg	HD 20017	HD 168135	HD 235795	
V442 And	lam Cyg	HD 193182	QV Tel	8 Lac A	BD+46 2948	EM* MWC 659	
del Sco	EW Lac	phi Per	eps Cap	V397 Lac	HD 190944	HD 215605	
QR Vul	pi Aqr	HD 23552	V782 Cas	LZ Del	BD+49 3615	EM* CDS 1295	
SHELIAC	HD 173817	BK Cam	HD 192445	CT Cam	V2156 Cyg	BD+69 48	
V2119 Cyg	ALFIRK	60 Cyg	V341 Sge	CW Cep	HD 198931	BD+65 1970	
V974 Her	QT Ser	ELECTRA	HD 9709	HD 223044	HD 172694	EM* AS 396	

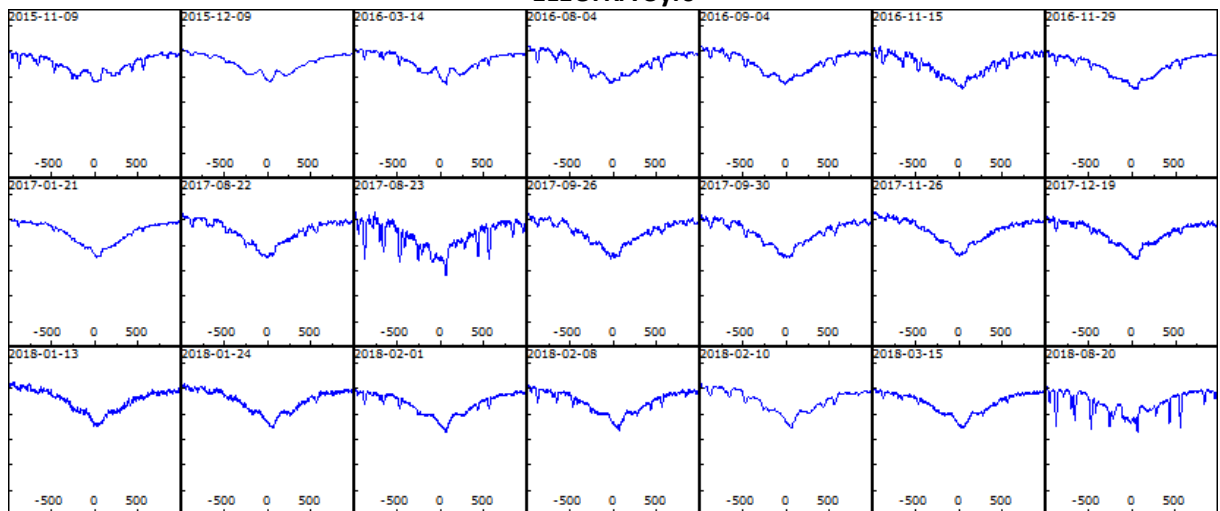
CX Dra	14 Lac	HD 216057	V742 Cas	EE Cep	HD 197038	BD+56 2626
HD 171780	11 Cyg	KX And	HD 206773	BD+61 39	V432 Cep	EM* VES 195
phi And	ups Cyg	KY And	HD 13867	69 Ori	V409 Lac	BD+61 2355
HD 177648	psi Per	omi Cas	HD 6343	V529 Cas	HD 213088	BD+61 2292
28 Cyg	omi And	V764 Cas	HD 21455	HD 161306	alf Ara	MQ TrA
12 Vul	HD 179343	HD 232552	HD 203374	V2175 Cyg		

Emission increase since last observations

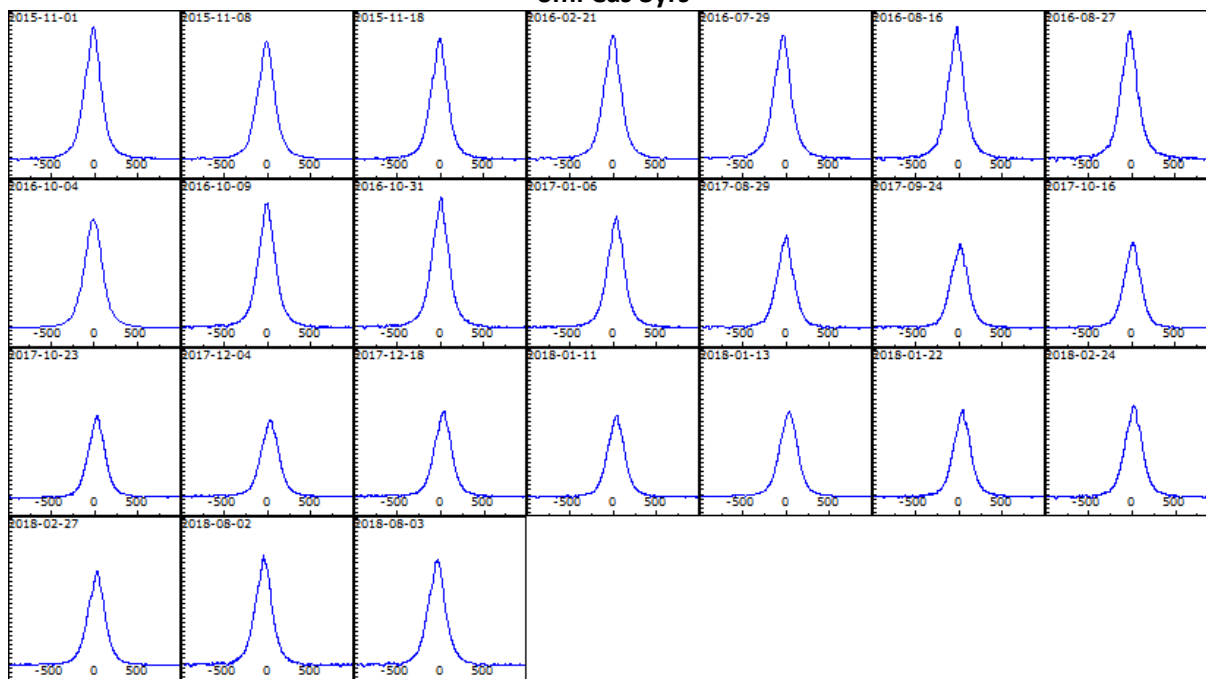
LQ And 3yrs



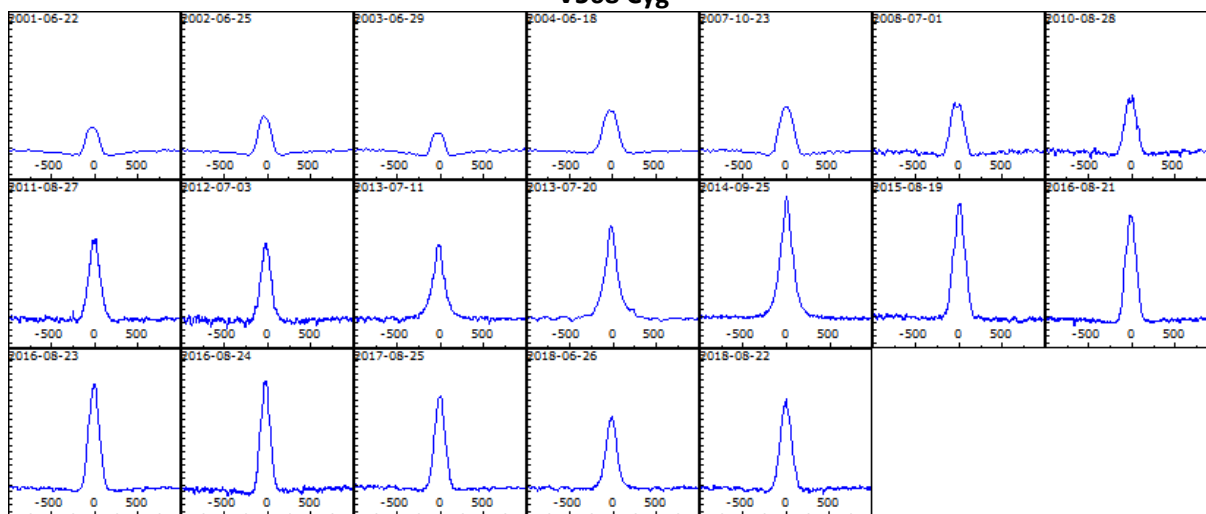
ELECTRA 3yrs



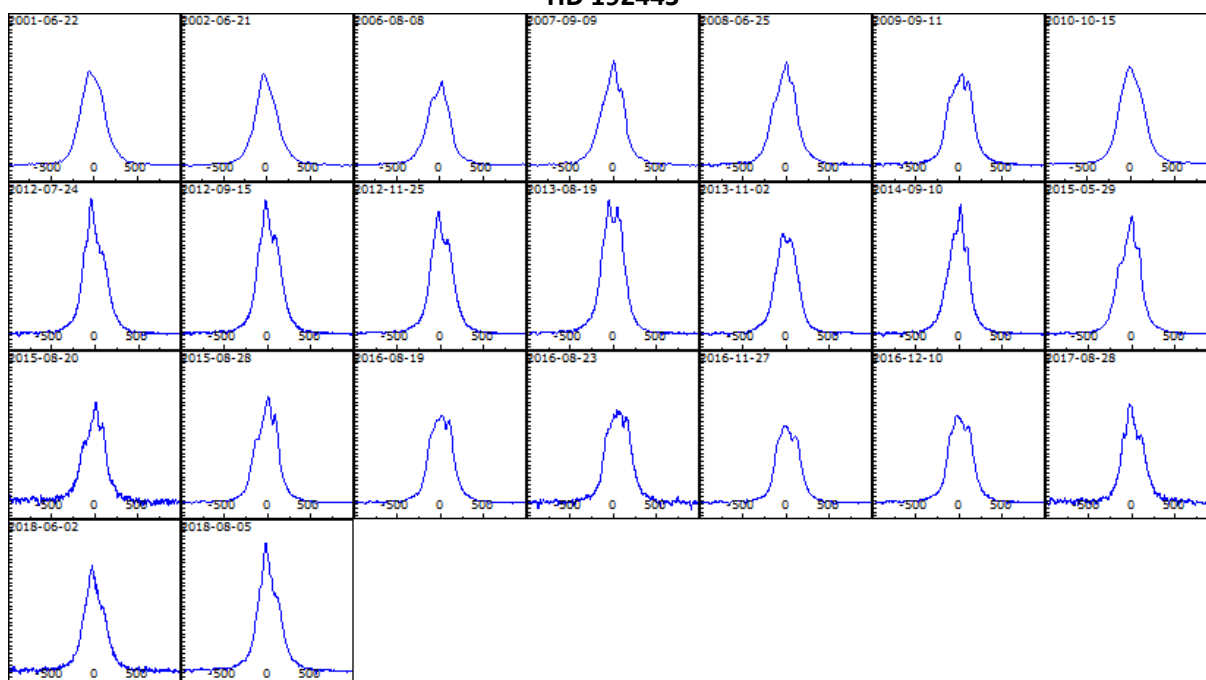
omi Cas 3yrs



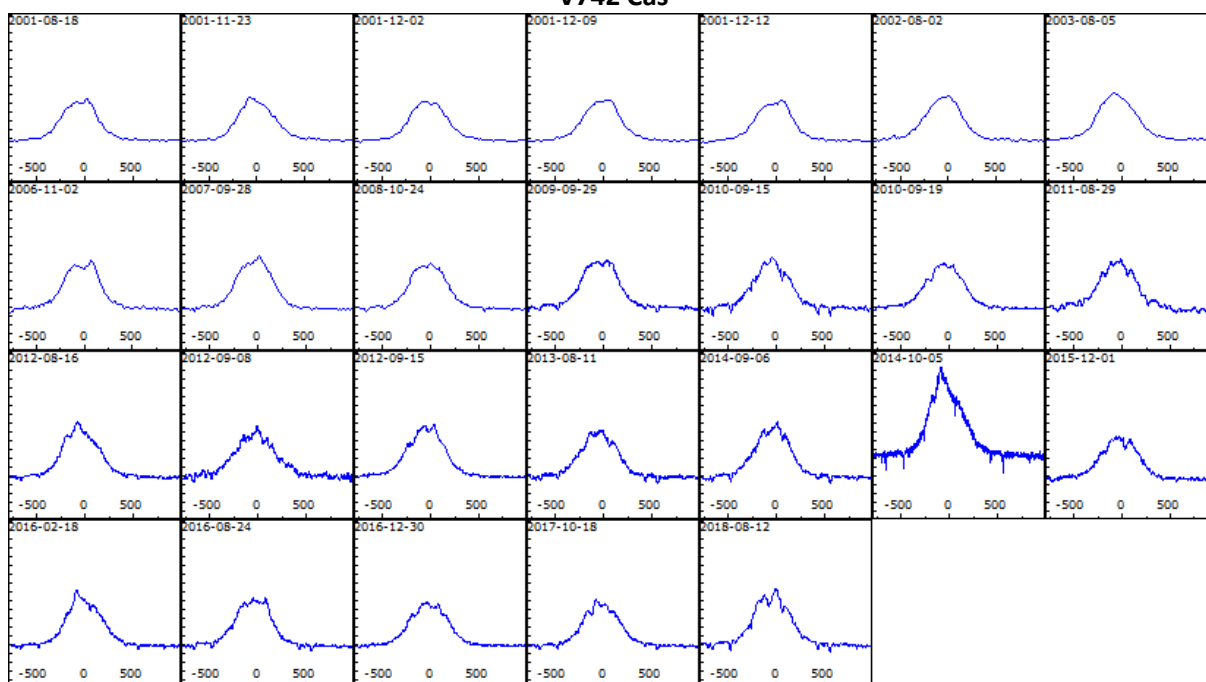
V568 Cyg



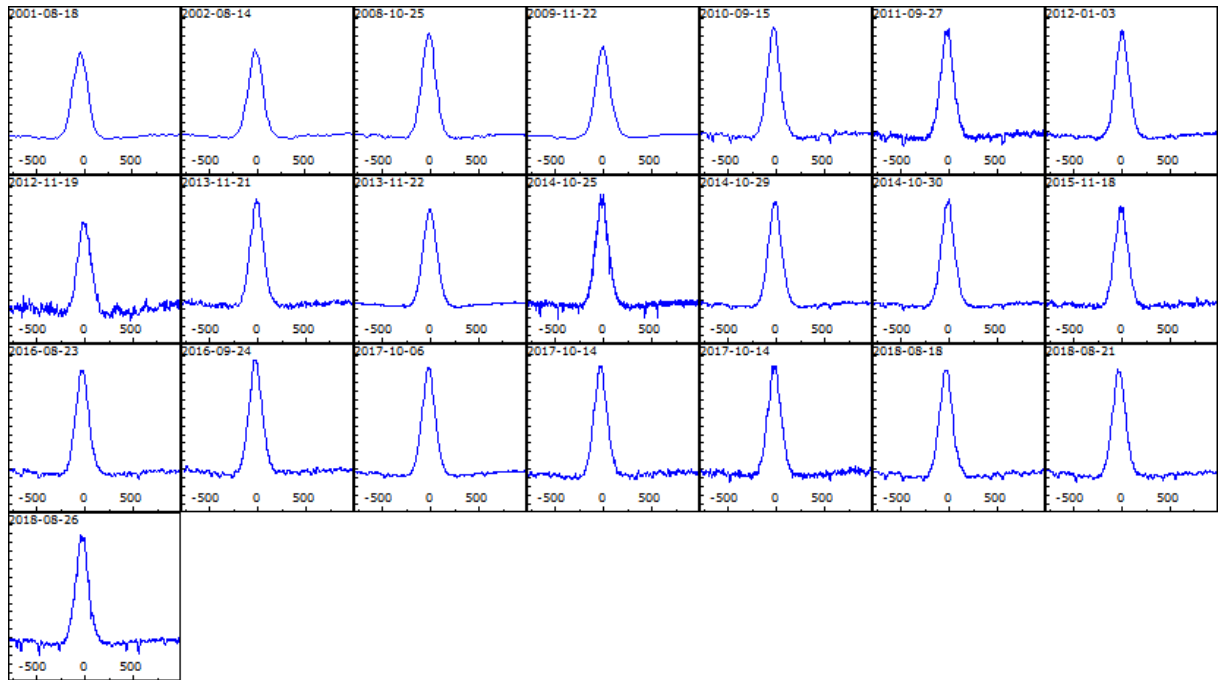
HD 192445



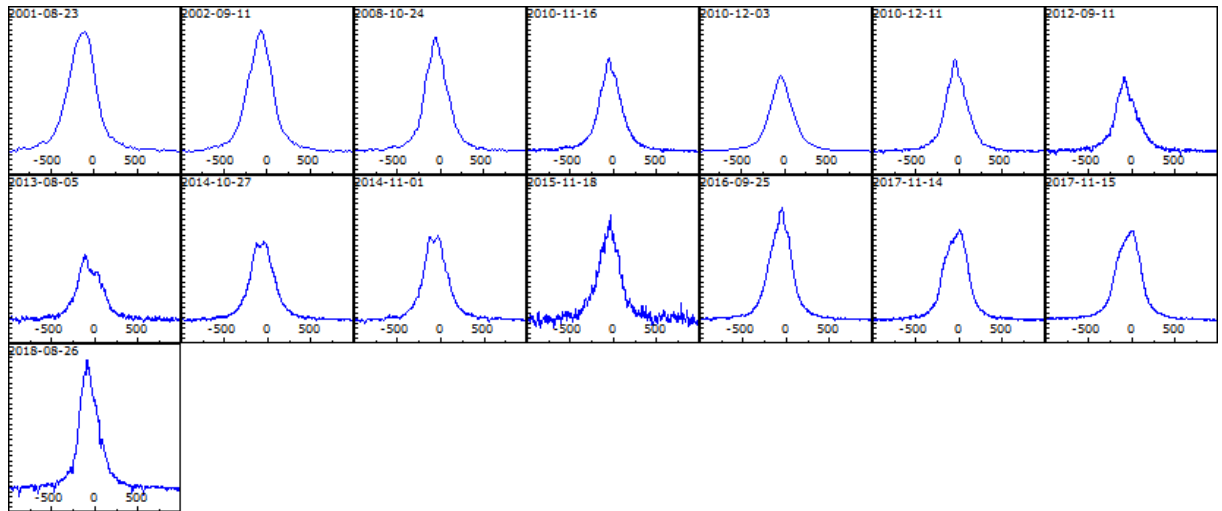
V742 Cas



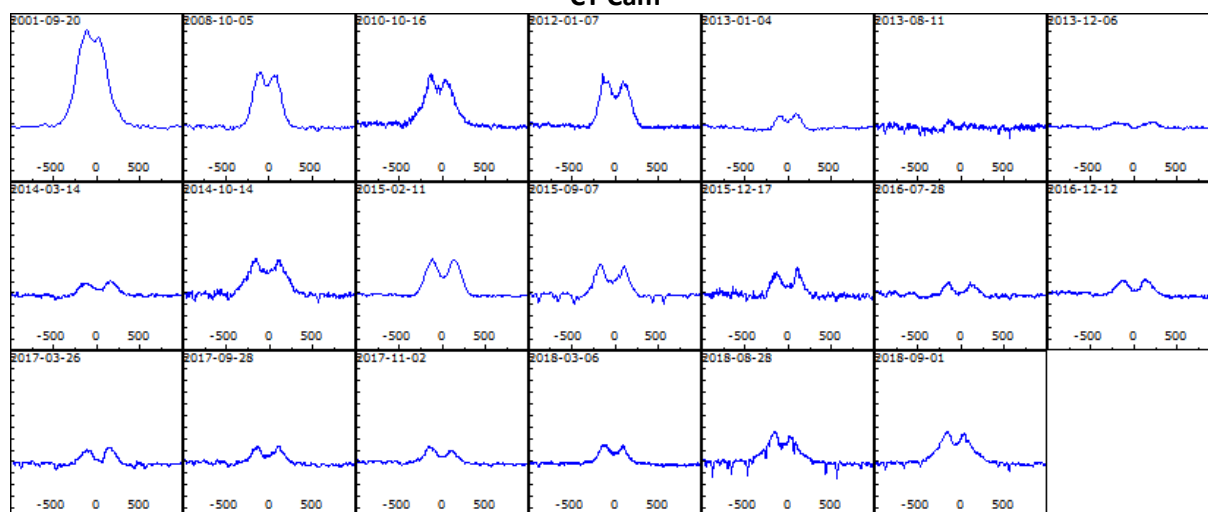
HD 6343



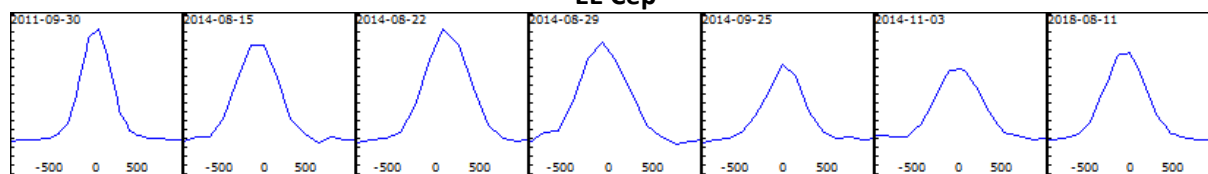
HD 232552



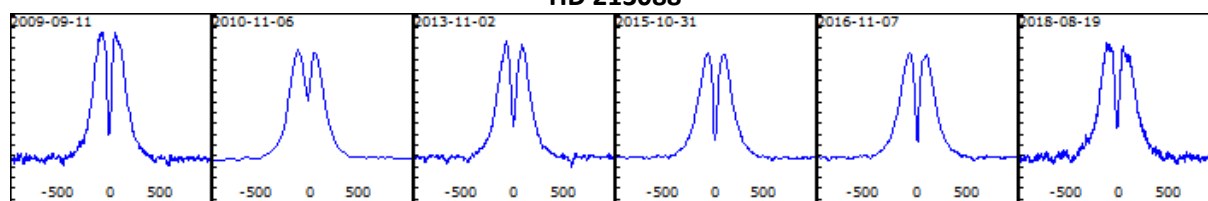
CT Cam



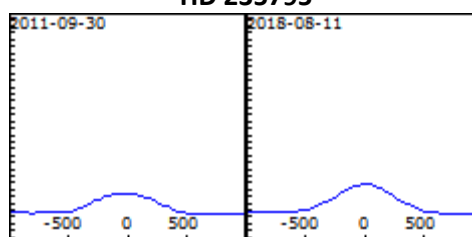
EE Cep



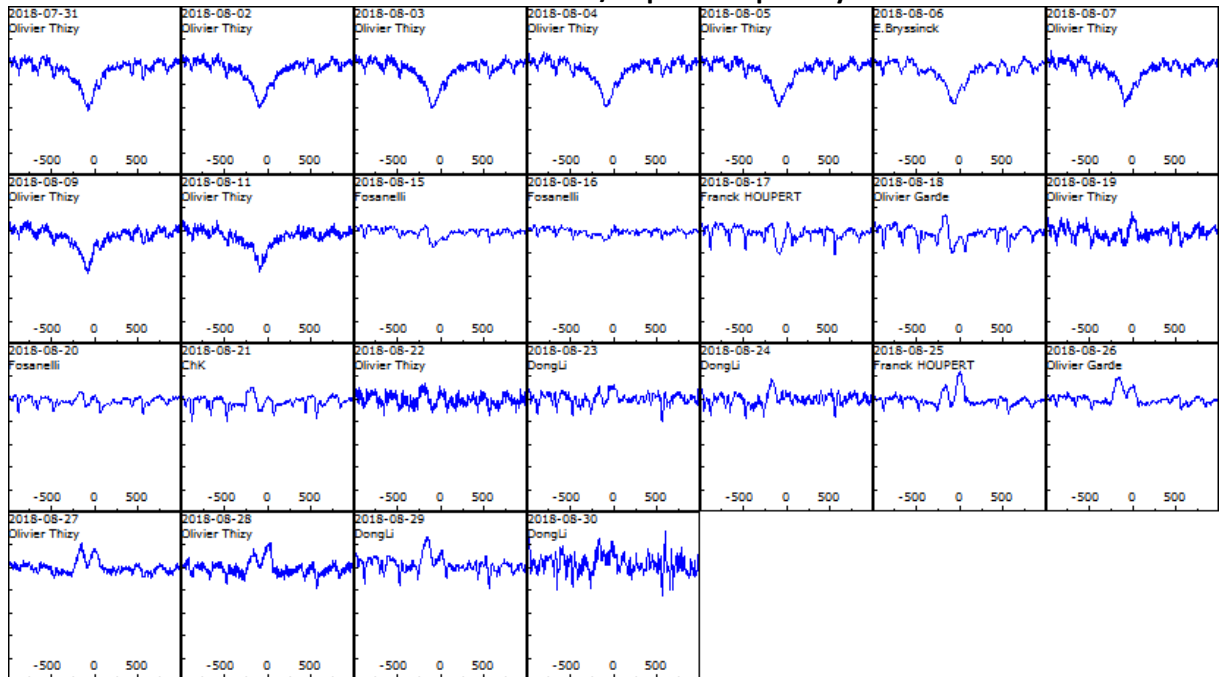
HD 213088



HD 235795

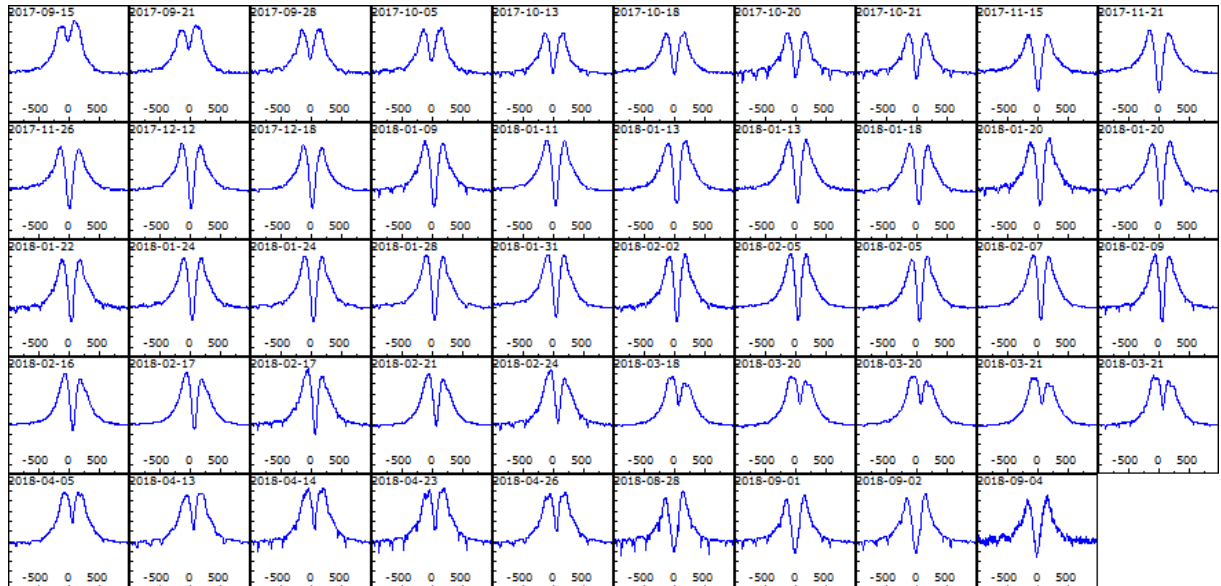


V442 And 1month/1 spectrum per day

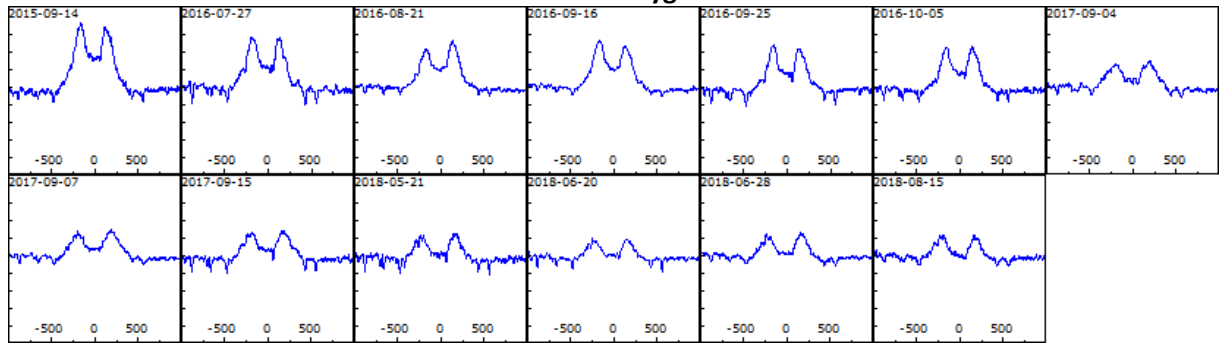


Moderate evolutions of H-alpha line

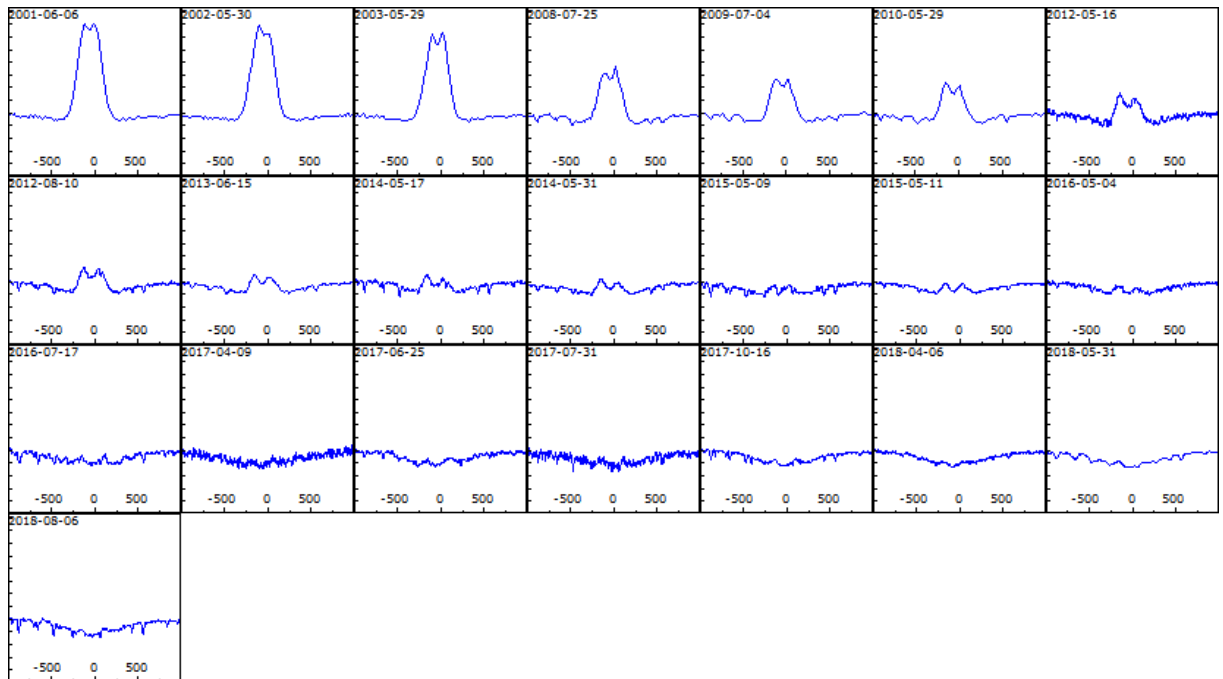
zet Tau



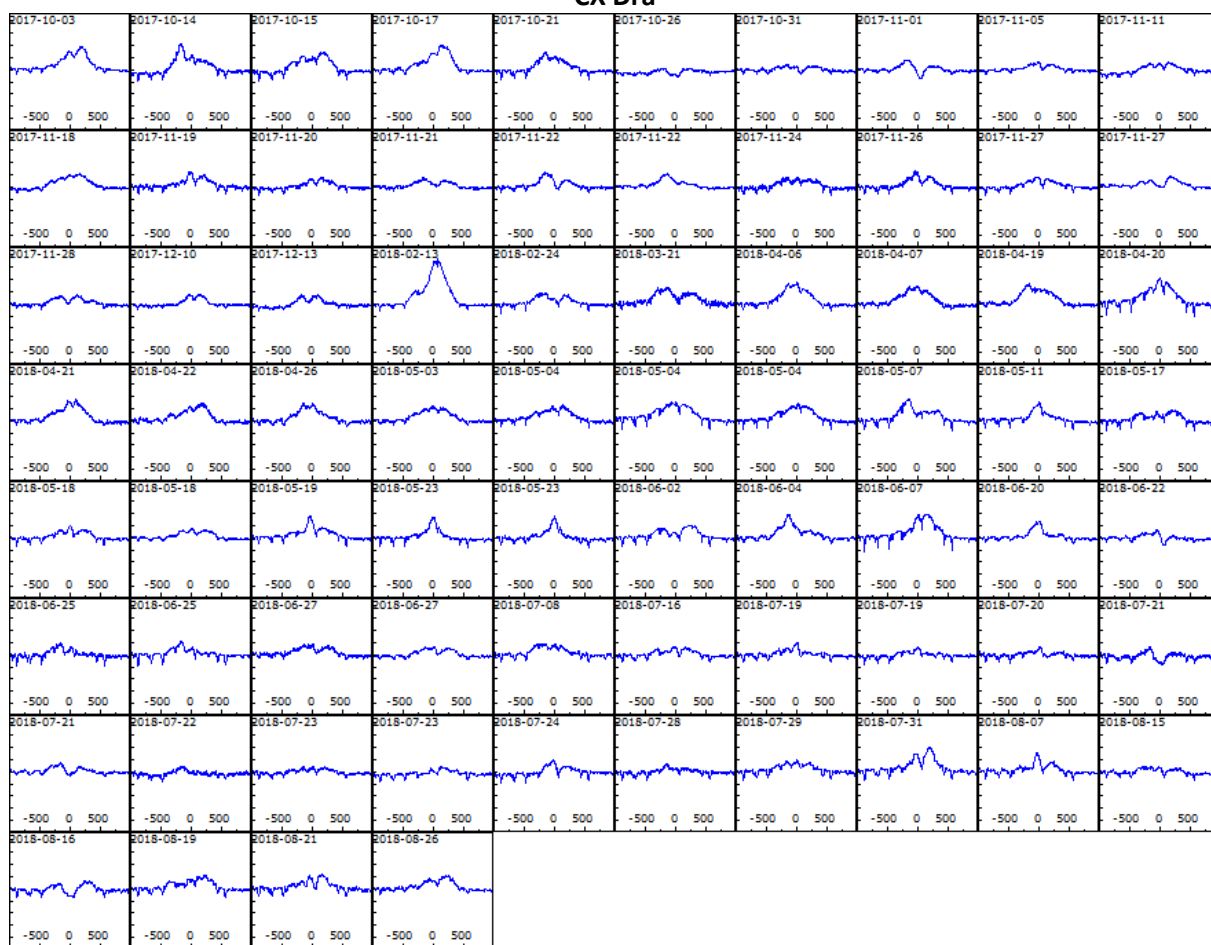
V2119 Cyg



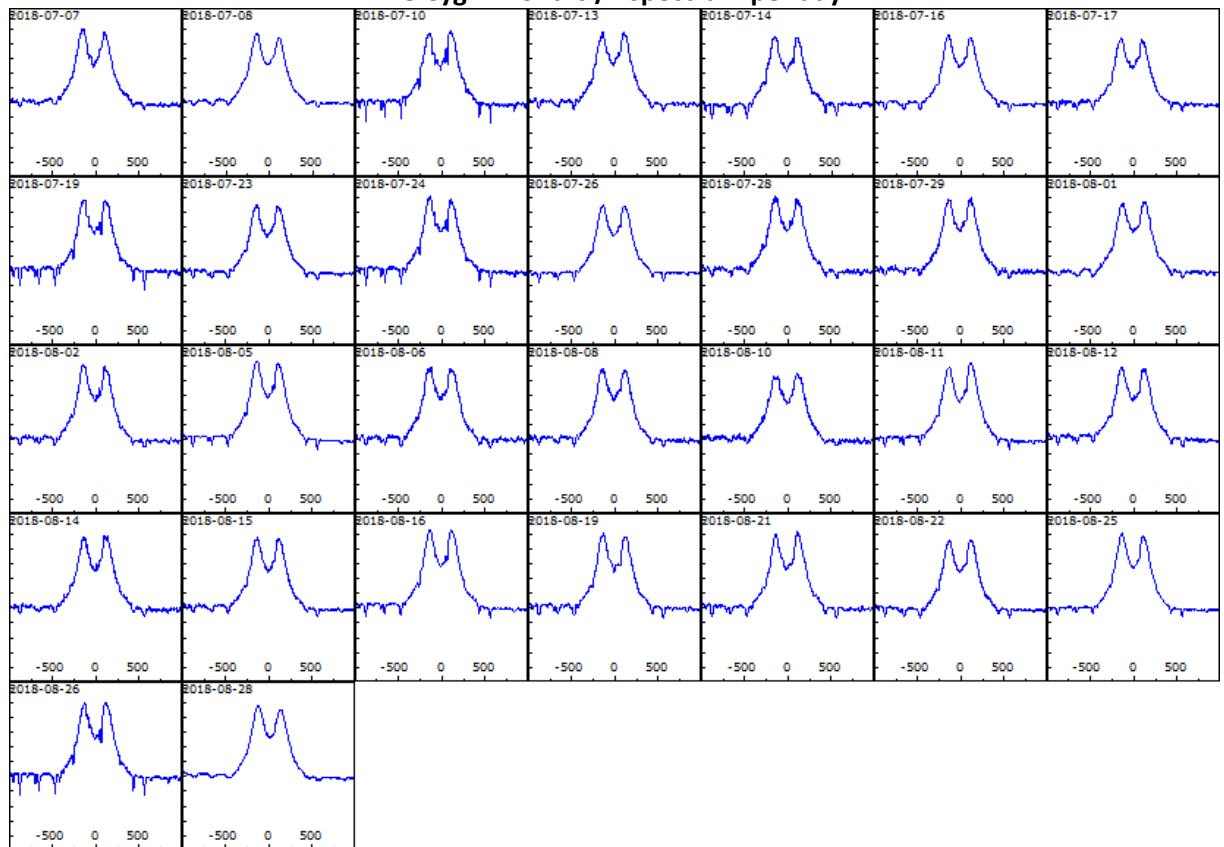
V974 Her



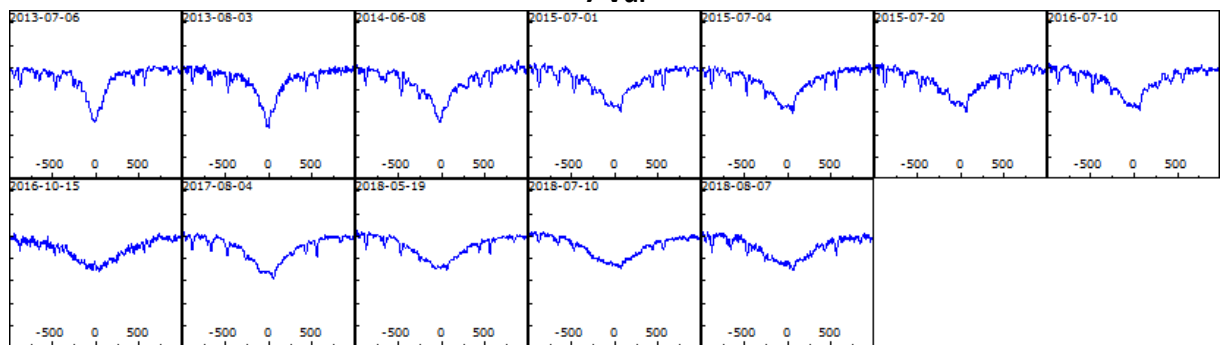
CX Dra



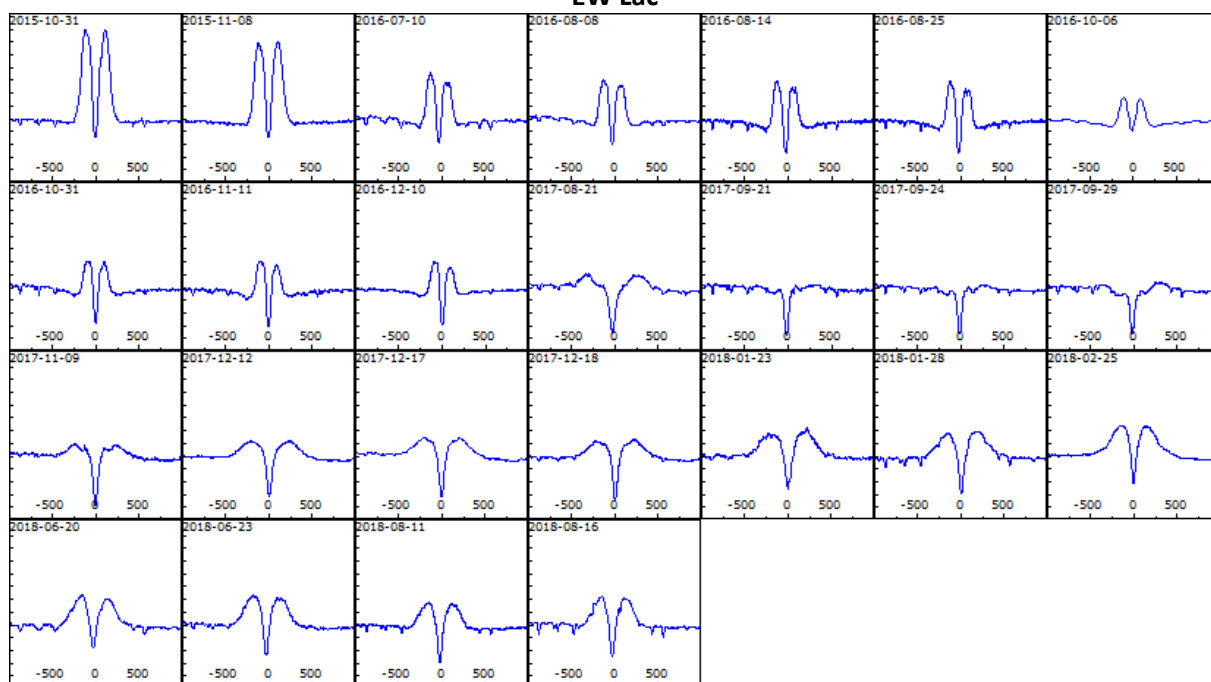
28 Cyg 2 months /1 spectrum per day



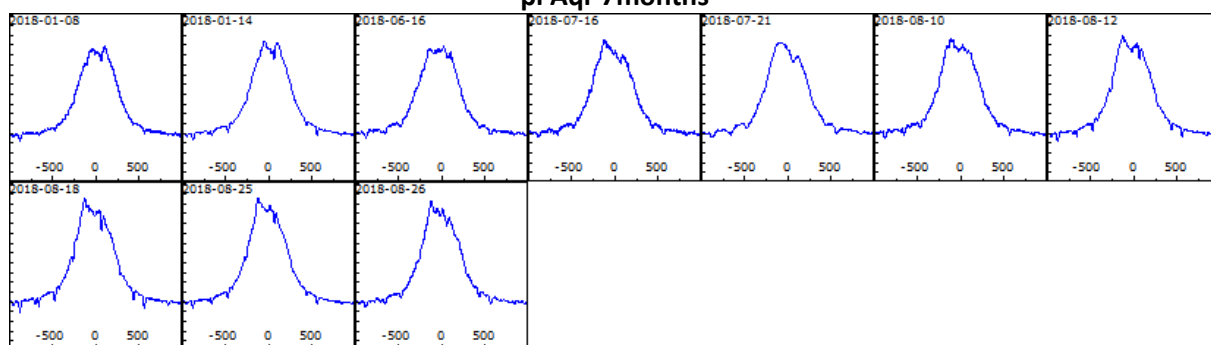
7 Vul



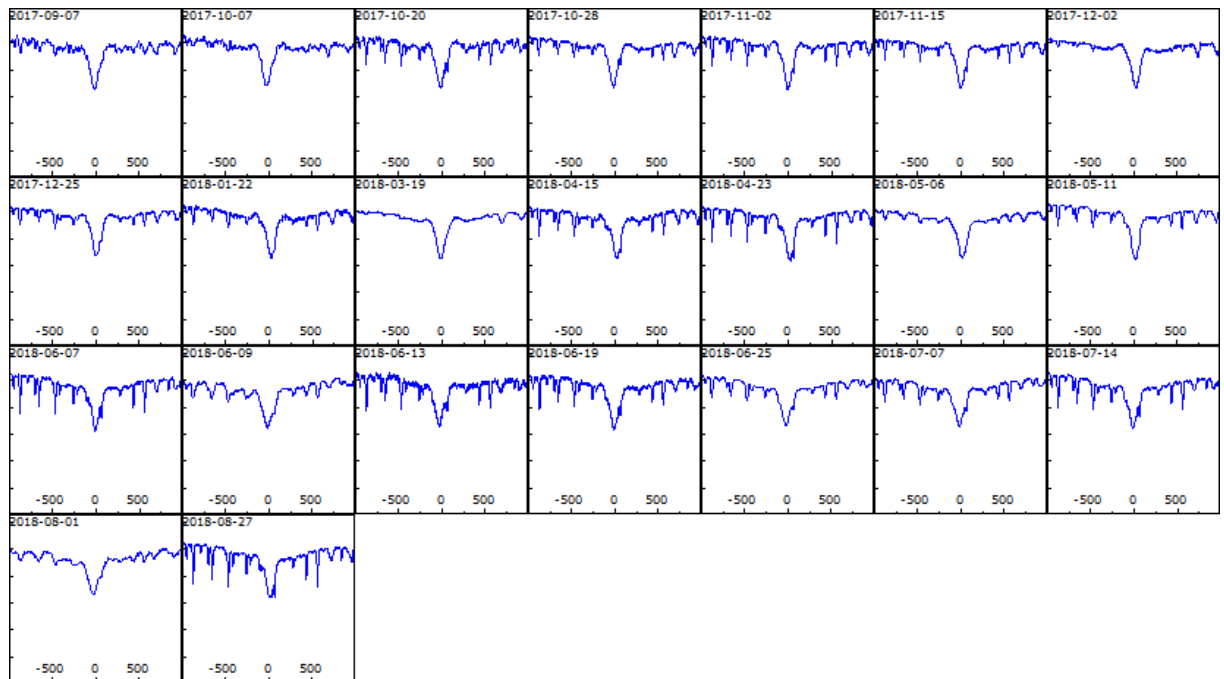
EW Lac



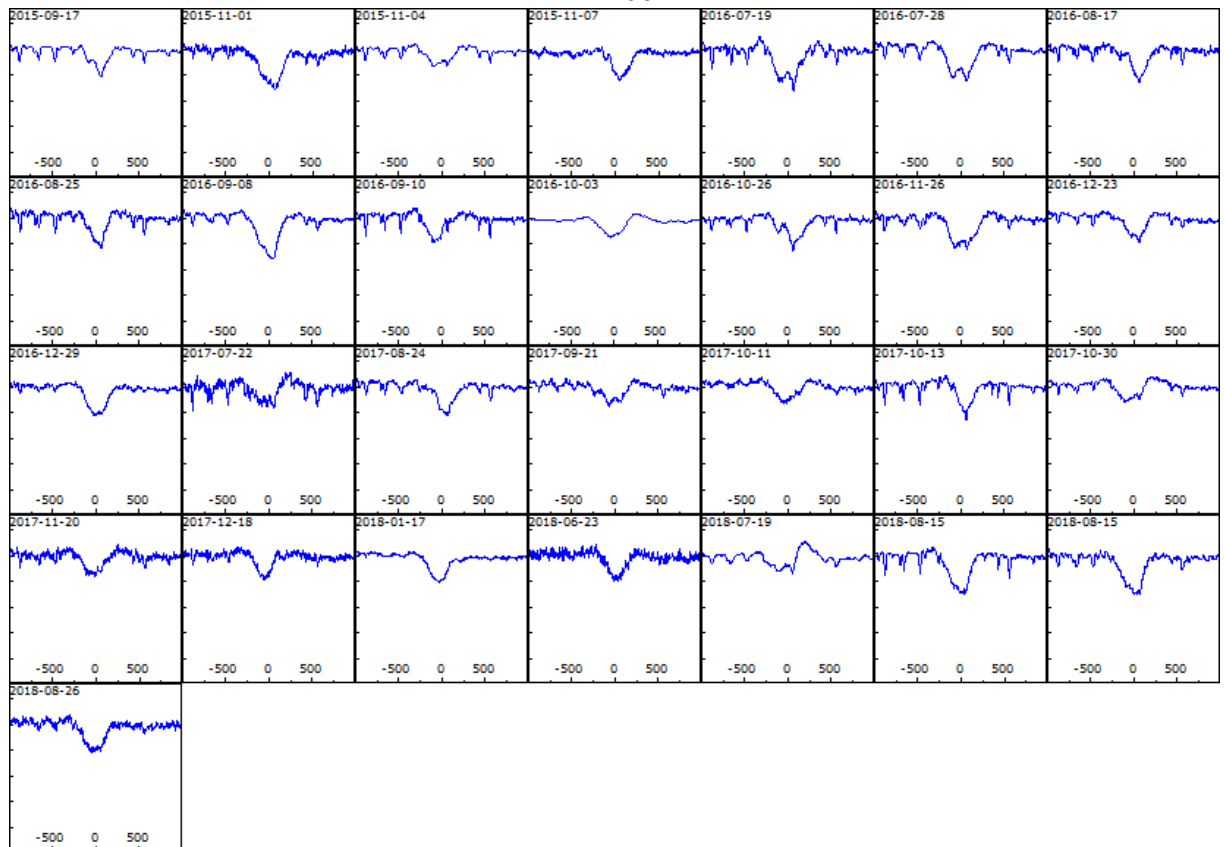
pi Aqr 7months



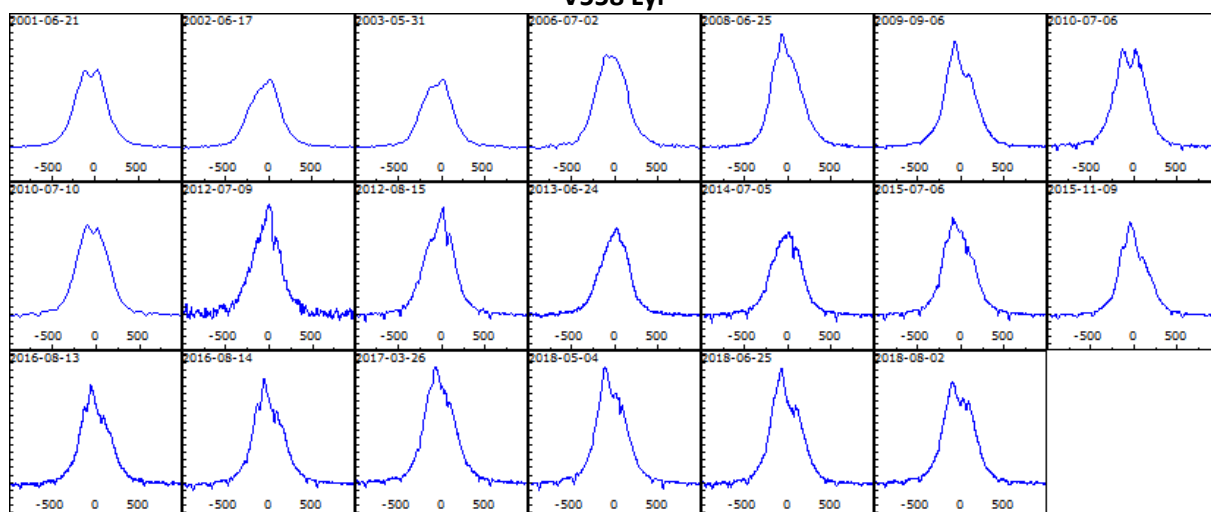
ALFIRK



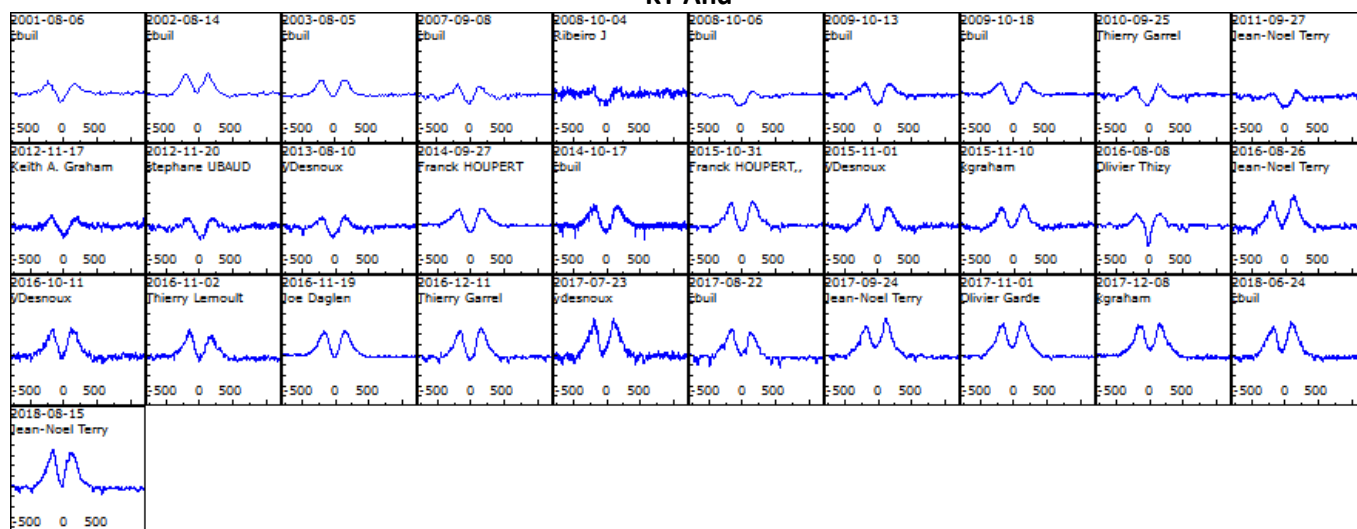
14 Lac



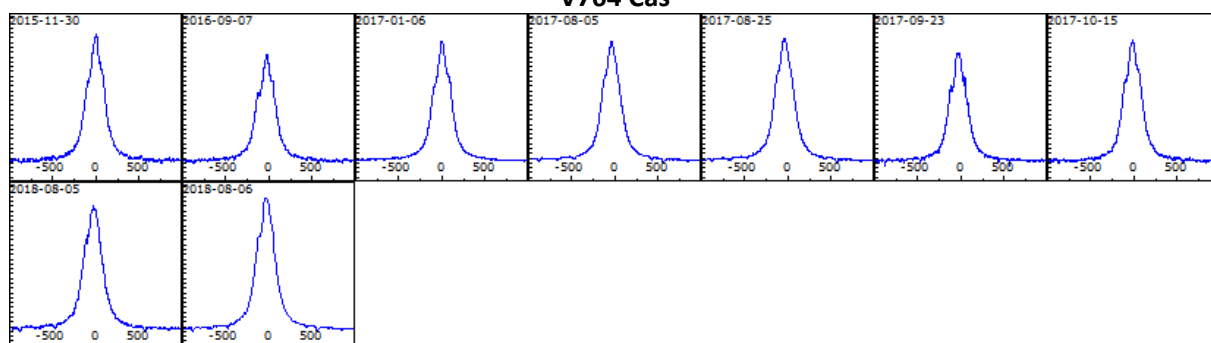
V558 Lyr



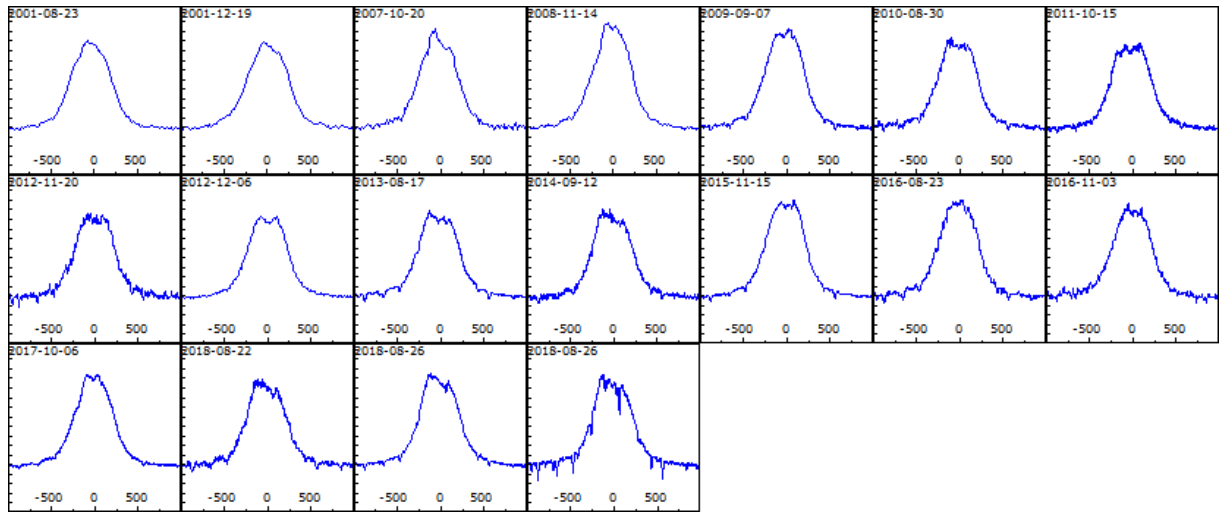
KY And



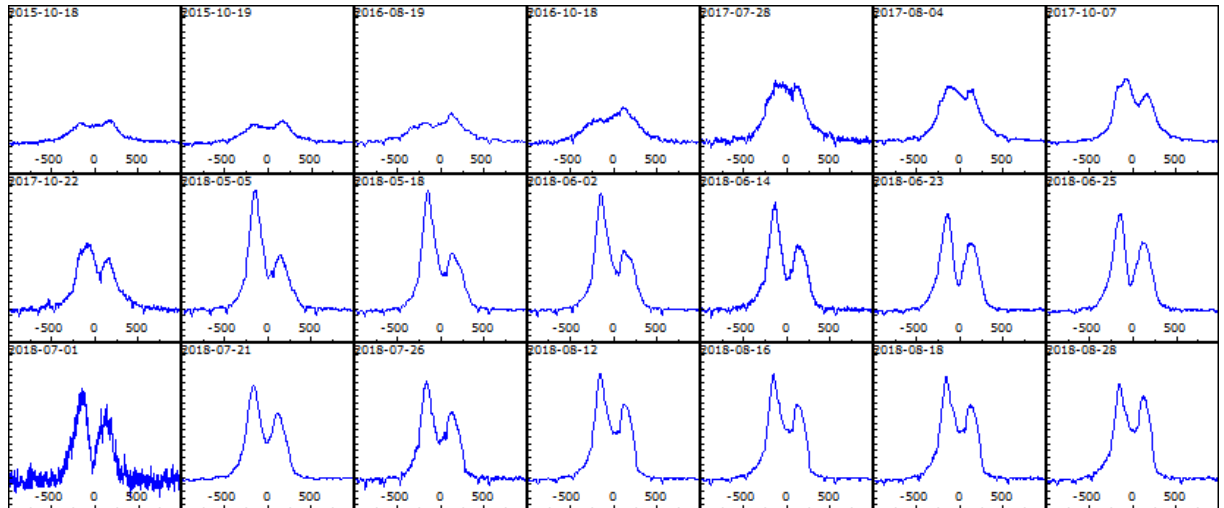
V764 Cas



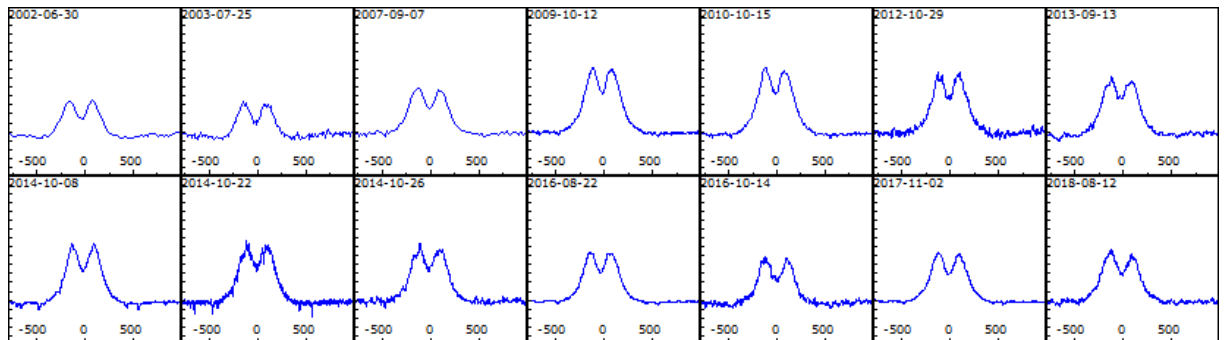
V782 Cas



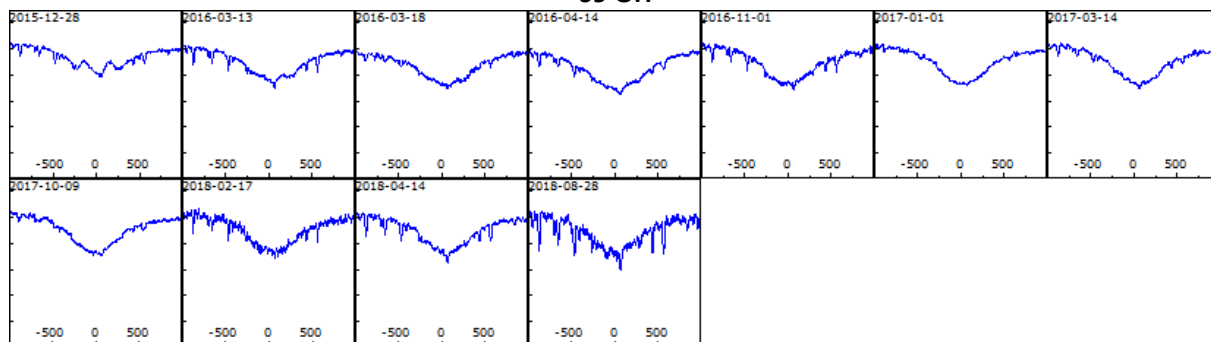
HD 206773



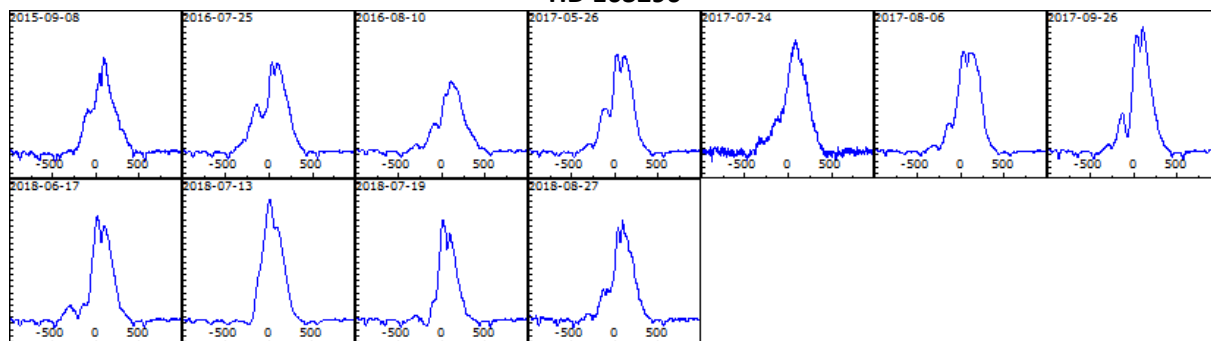
HD 207232



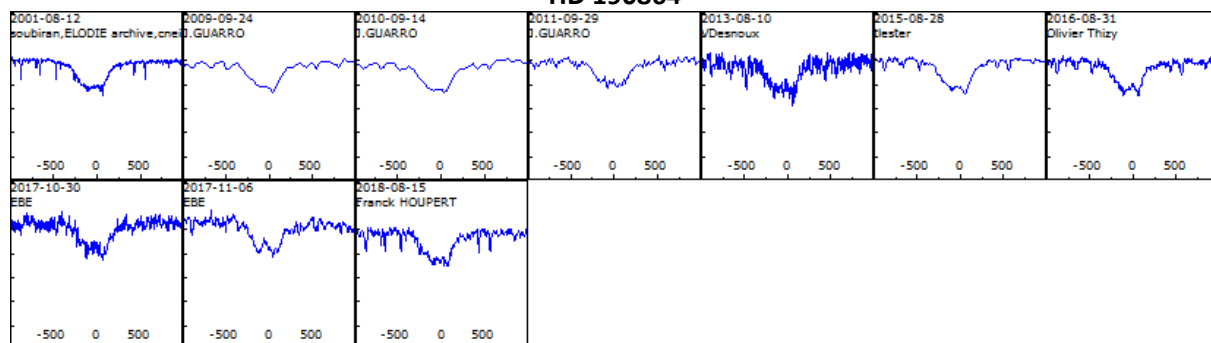
69 Ori



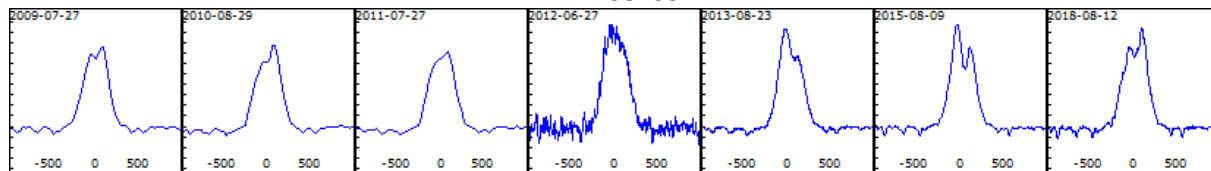
HD 163296



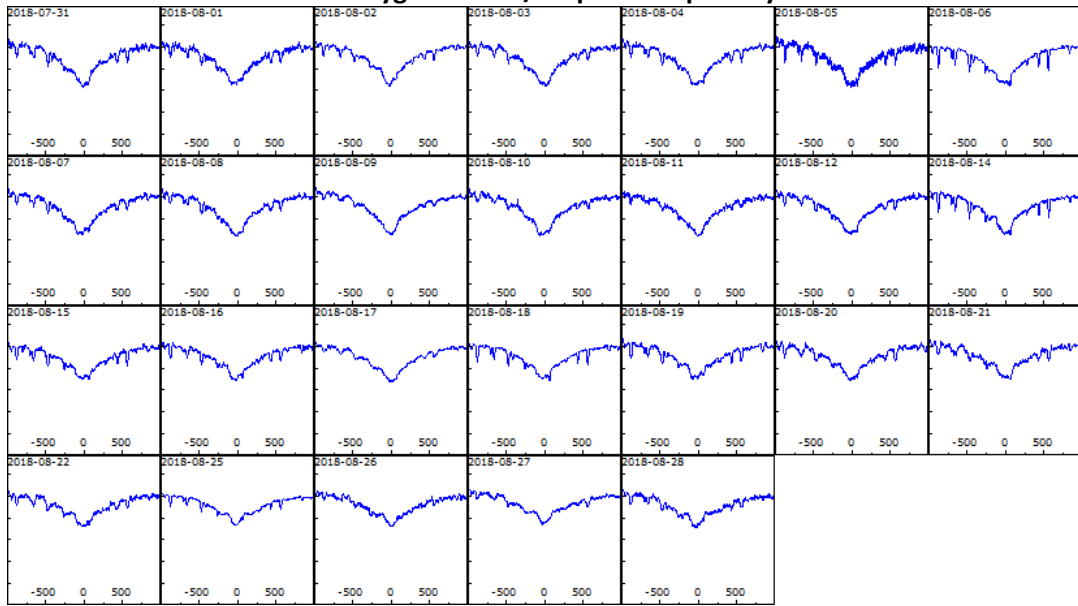
HD 190864



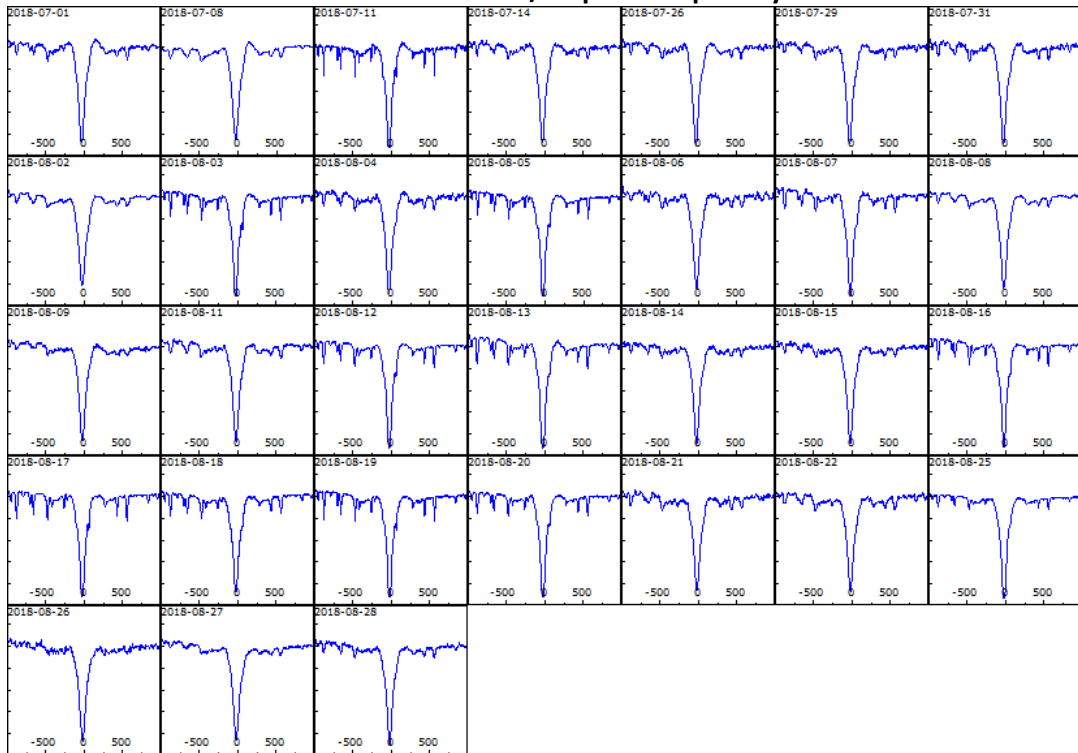
HD 168135



lam Cyg 1 month / 1 spectrum per day

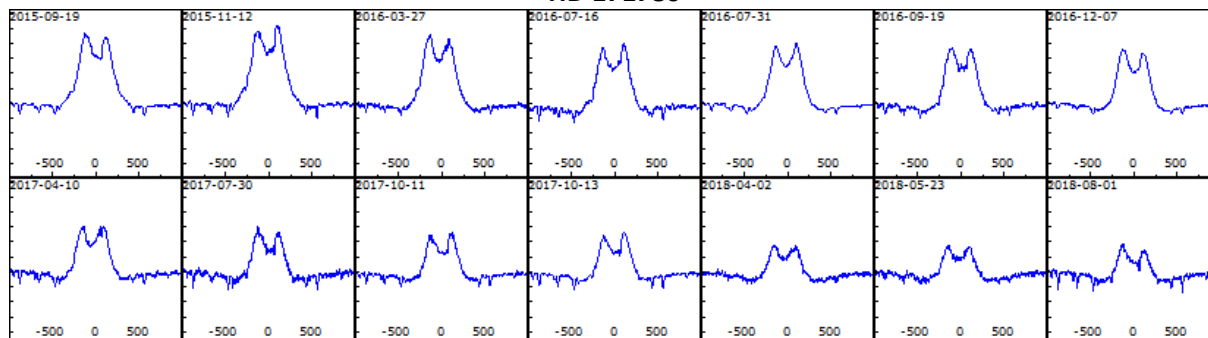


omi And 2months / 1 spectrum per day

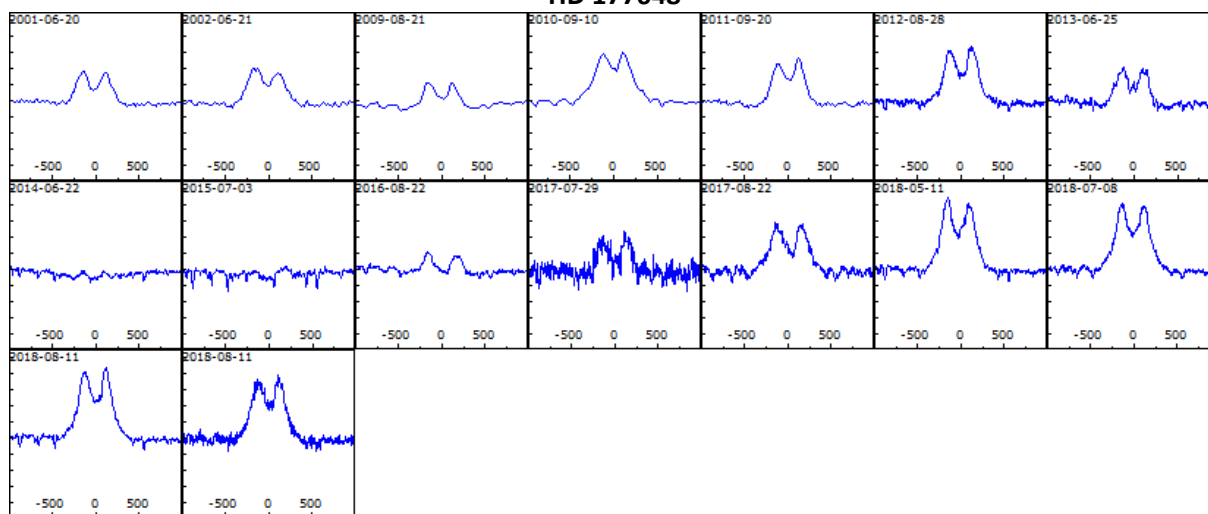


Emission decrease of H-alpha line

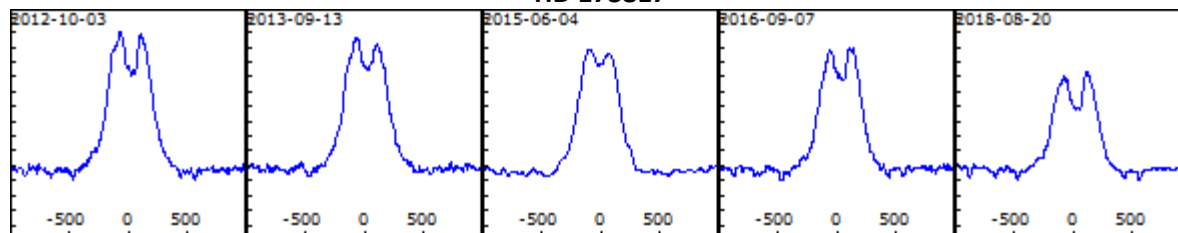
HD 171780



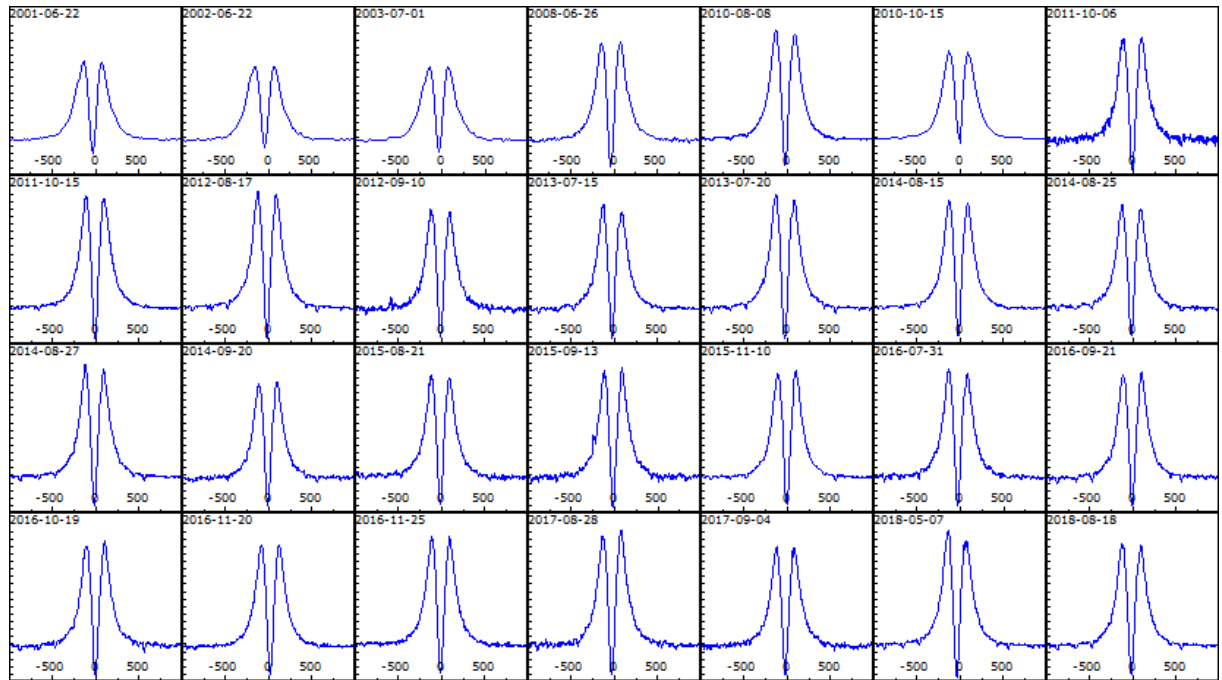
HD 177648



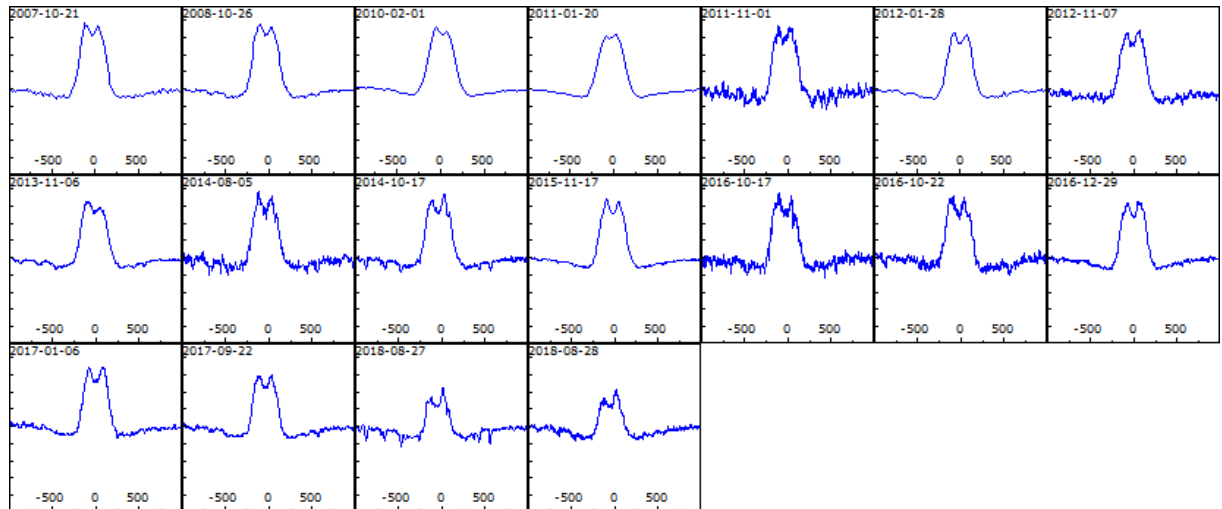
HD 173817



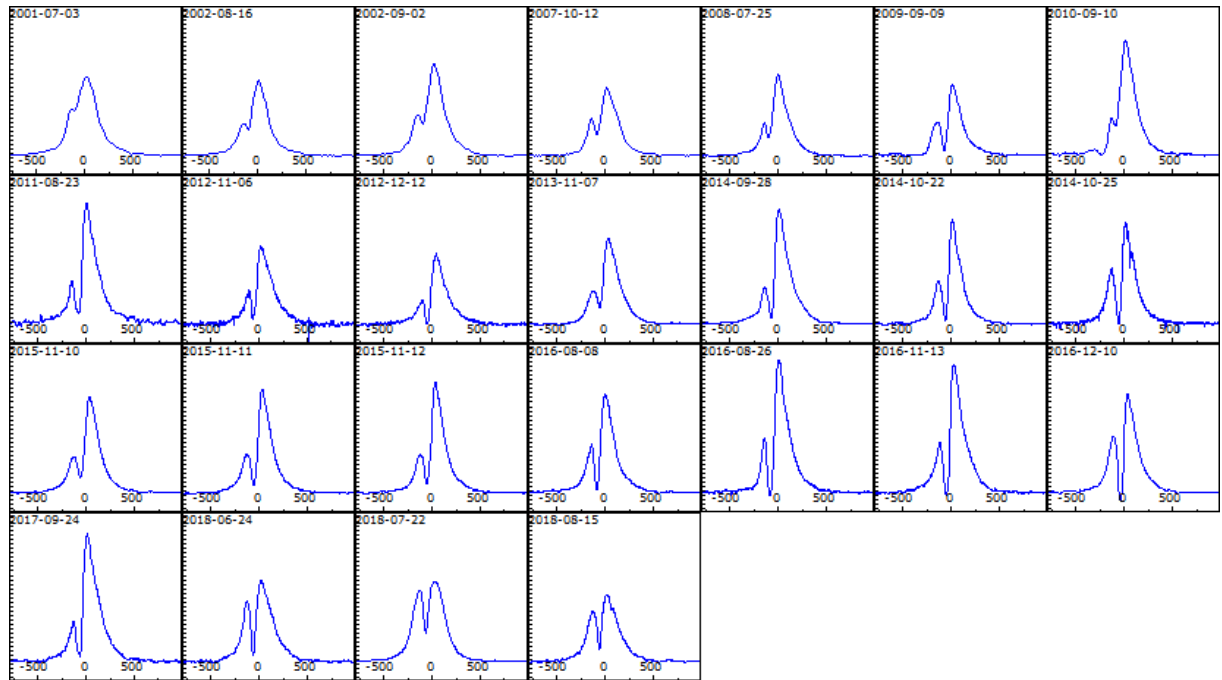
HD 193182



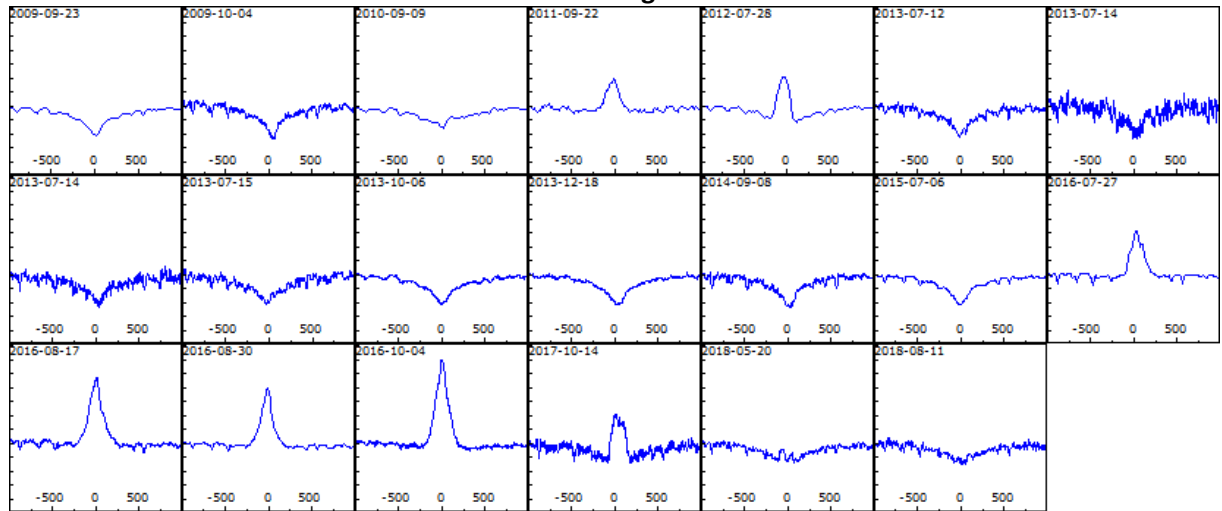
HD 23552



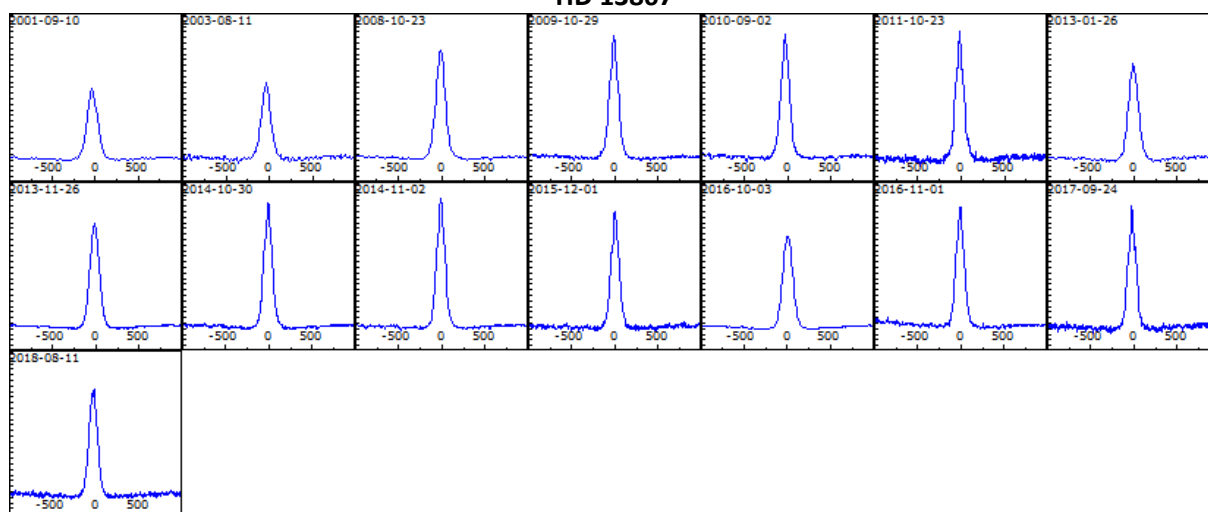
KX And



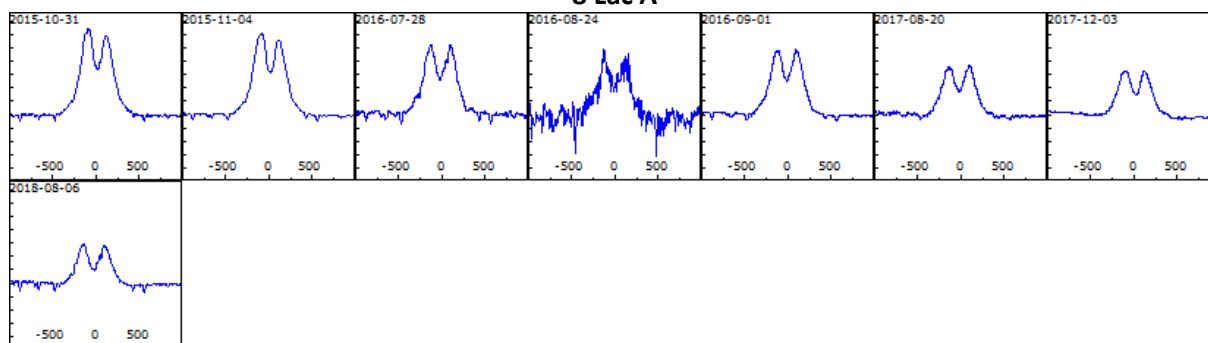
V341 Sge



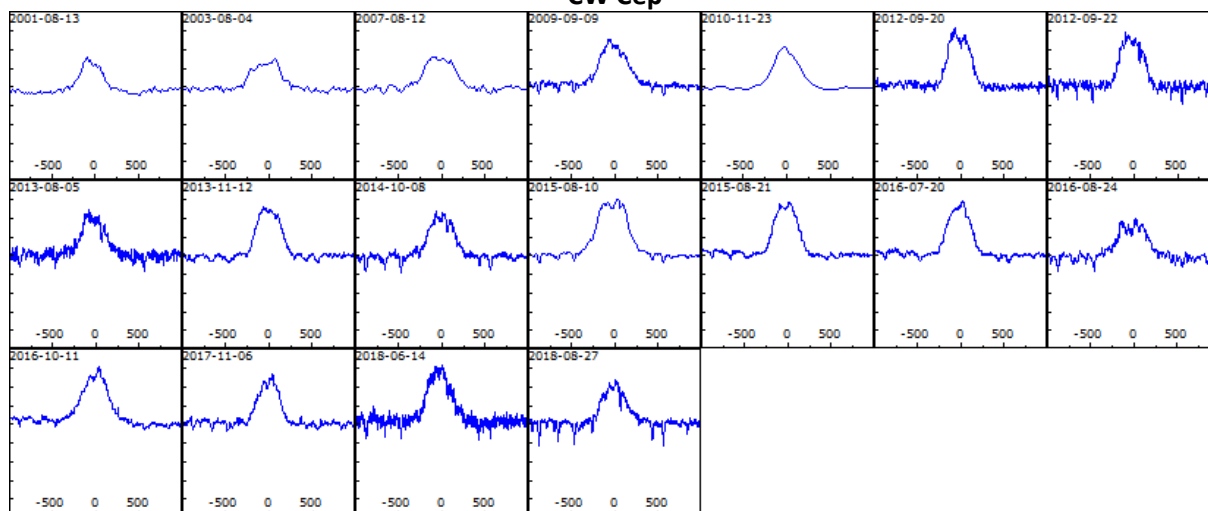
HD 13867



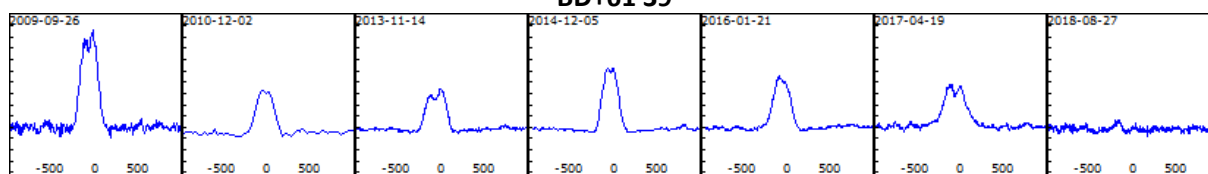
8 Lac A



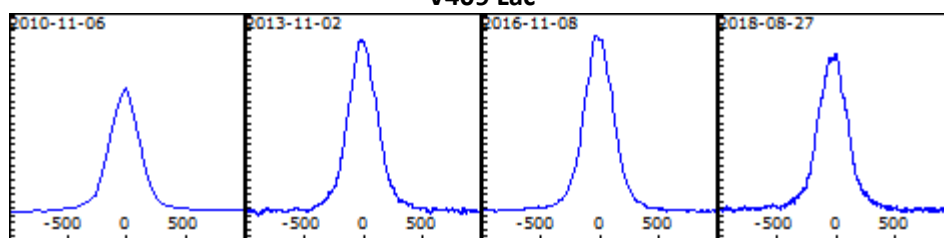
CW Cep



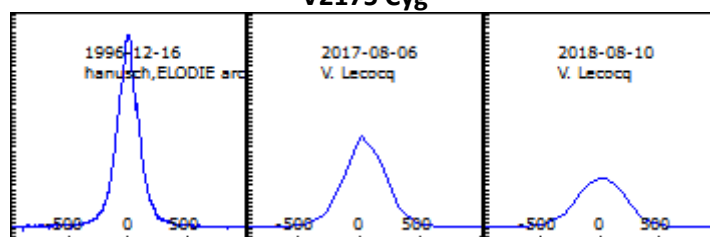
BD+61 39



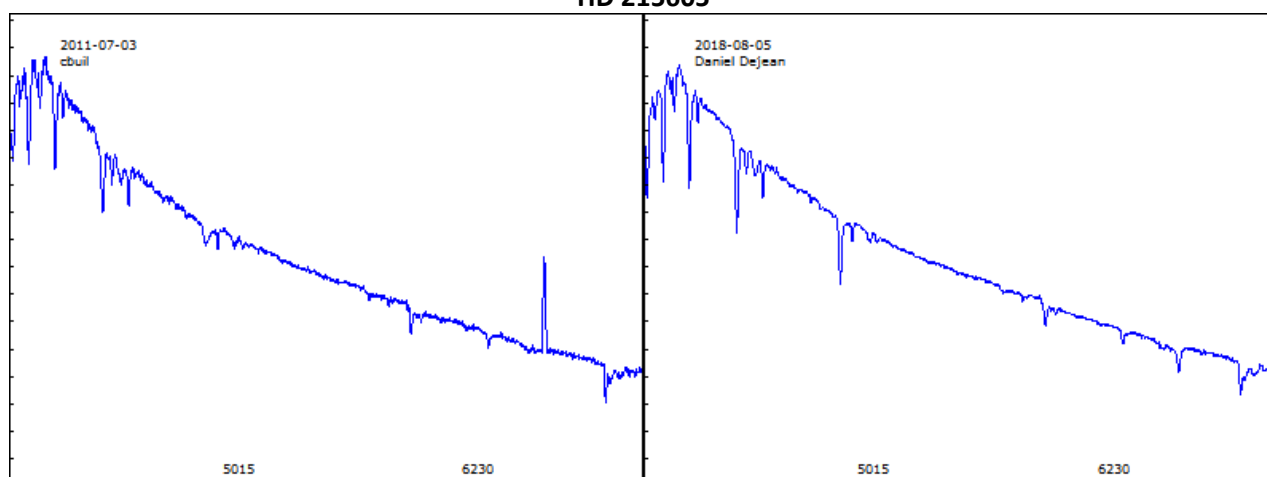
V409 Lac

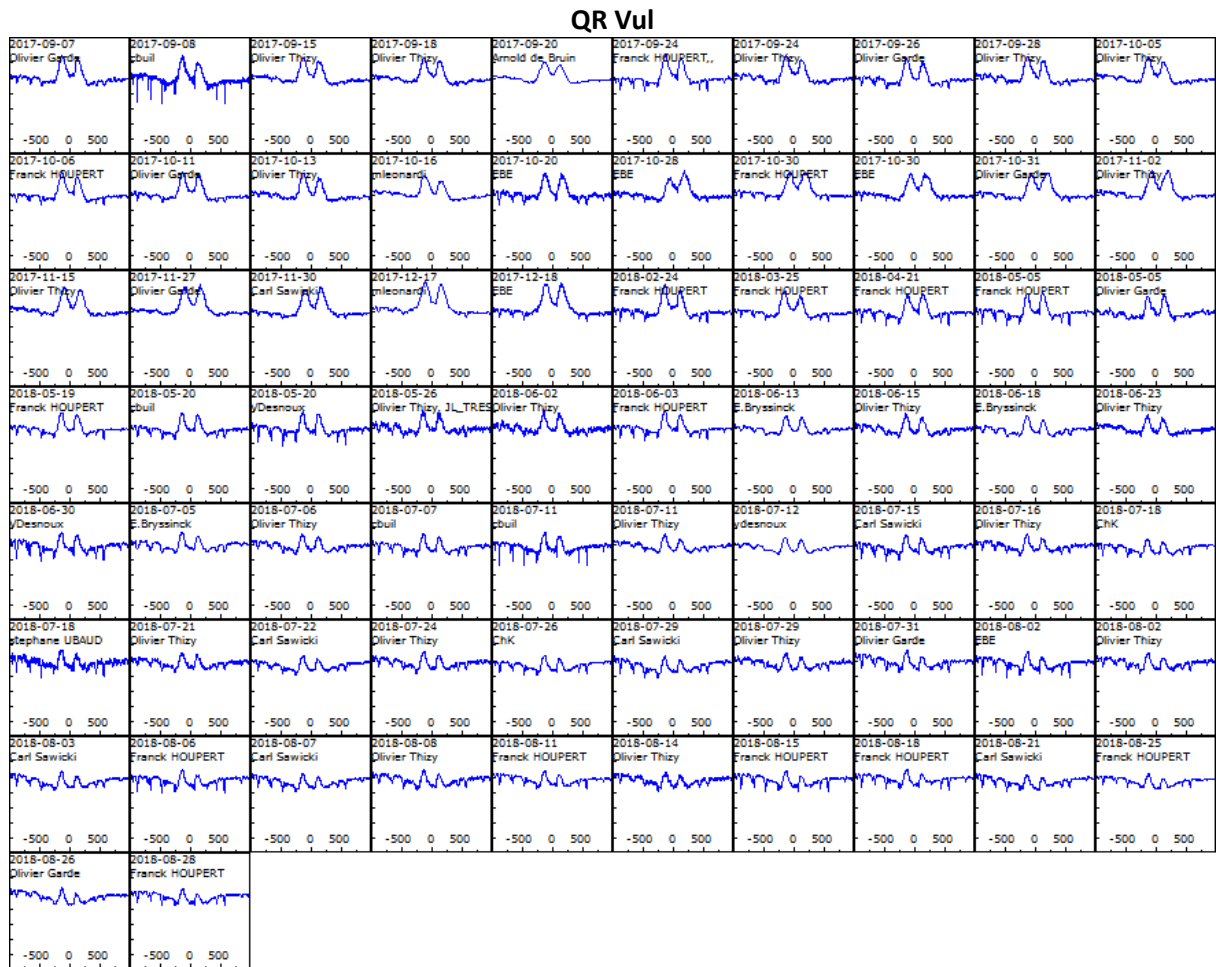


V2175 Cyg



HD 215605





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

Valérie Desnoux

Valerie.desnoux@free.fr

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

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

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