

BeSS report – Sept 2018

Data compiled by Valérie Desnoux – H-alpha monitoring

- 156 stars were observed
- 27 Observers contributed this month
- 460 Spectra

Observers...

Observateur	Nb spec
Thizy	97
HOUPERT	77
Charbonnel	74
GARDE	25
James	20
bertrand	19
Bryssinck	19
Buil	16
de Bruin	16
Guarro Fló	14
KREIDER	12
Fosanelli	12
Graham	11
Lecocq	8
Bohlens	7
TERRY	7
Broussat	6
Favaro	6
DUBREUIL	3
UBAUD	3
Schwarz	2
Dejean	2
Li	2
Le	
DûGUEGANGARDE	1
Martineau	1
Total général	460

Events of the month...

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

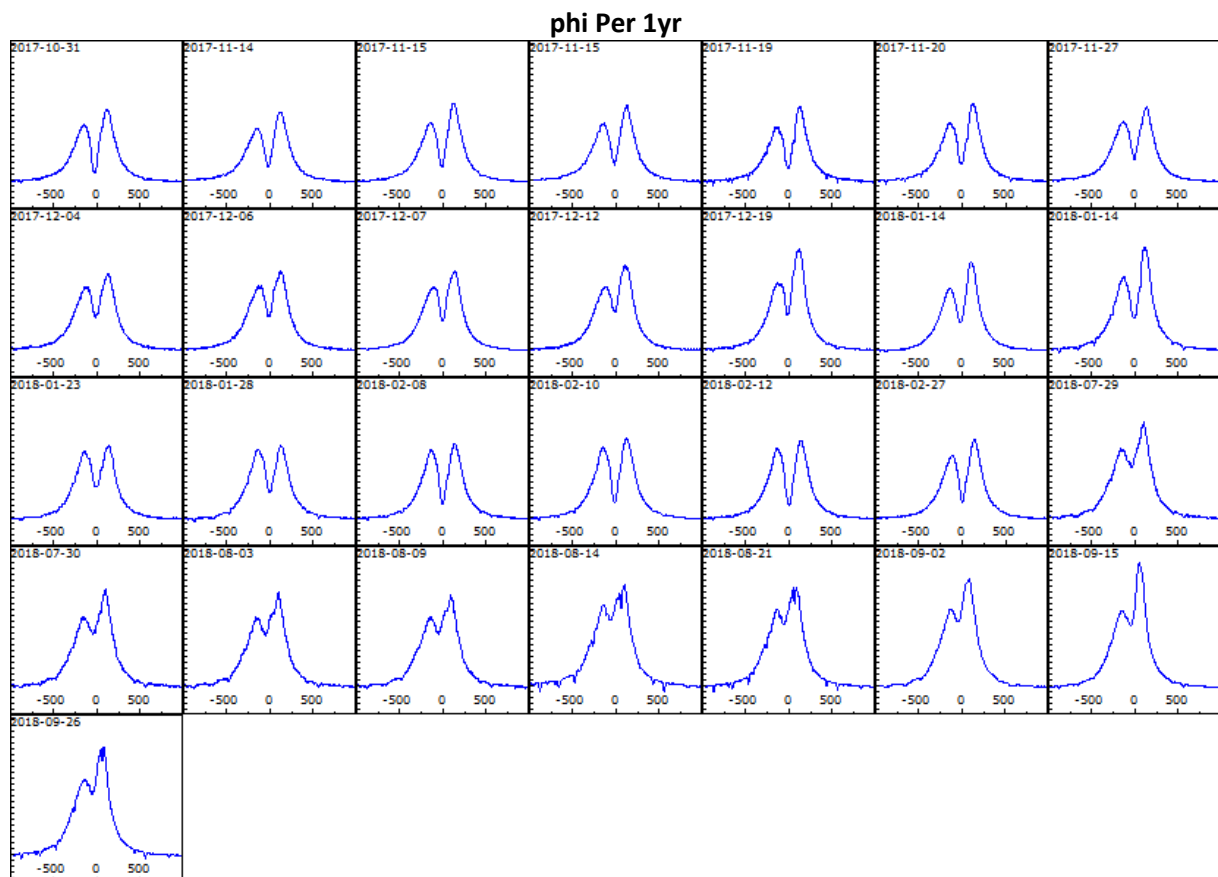
EE	ME	DE
phi Per	CX Dra	EW Lac
14 Lac	V782 Cas	V568 Cyg
CW Cep	ALFIRK	HD 192445
V2156 Cyg	69 Ori	8 Lac A
EM* CDS 1295	FF Cam	V1165 Tau
V1339 Aql	4 Her	V532 Lyr
V2136 Cyg	V923 Aql	HD 224544
25 Cyg	V421 Cep	HD 18552
25 Ori	V2148 Cyg	omi Aqr
HD 31648	eta Ori	lam Eri
HD 13669	V549 Per	iot Ara
V594 Cas	HD 225095	V414 Aur
12 Aur	HD 36408	HD 174571
IL Cep	SX Aur	HD 181308
V811 Cas	HD 193516	V1153 Tau
V447 Aur	HD 281192	BD+60 2405
V615 Cas	lam Cyg	V4131 Sgr
V750 Ara		V2211 Cyg
V404 Lac		V830 Ara
V581 Per		V442 And
HD 13429		QR Vul
V504 Per		
V450 Cep		
HD 35345		
V977 Cas		

Objects observed

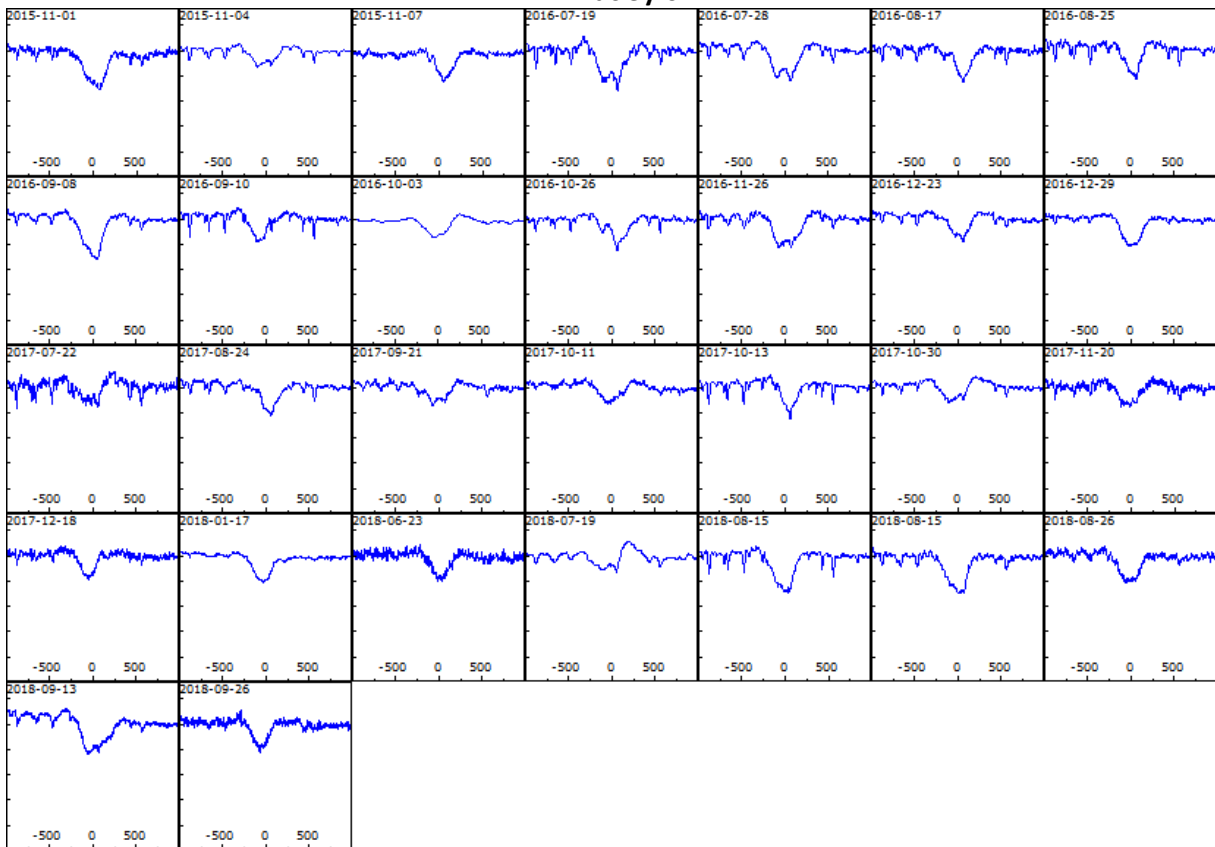
Classique	?	B[e]	Herbig
lam Cyg	ALFIRK	EM* CDS 1295	25 Peg
V442 And	psi Per	BD+69 48	25 Cyg
omi And	omi Cas	FF Cam	16 Peg
phi And	zet Tau	V1165 Tau	V421 Cep
28 Cyg	V2119 Cyg	kap Dra	HD 195554
QR Vul	QT Ser	66 Oph	HD 18552
gam Cas	V558 Lyr	V532 Lyr	tet Ari
			HD 21650
			HD 36408
			HD 32188
			V404 Lac
			HD 193516
			V811 Cas
			V864 Ara
			VV PsA
			V1153 Tau
			BD+59 246
			V615 Cas
			BD+59 250
			HD 174571
			V594 Cas
			HD 281192
			CI Cam
			EM* MWC 137
			EM* MWC 56
			V628 Cas
			IL Cep

12 Vul	eps Cas	4 Her	BD+60 2600	V434 Aur	SX Aur	BD+53 2790
CX Dra	HD 193182	V923 Aql	25 Ori	HD 21620	V414 Aur	V581 Per
pi Aqr	60 Cyg	25 Vul	HD 208682	V549 Per	HD 237091	BD+63 261
PLEIONE	V568 Cyg	20 Vul	HD 24479	HD 225095	HD 112028	HD 13429
ups Cyg	HD 192445	iot Lyr	48 Per	HD 4931	V2135 Cyg	V504 Per
phi Per	HD 9709	4 Aql	bet Psc	V817 Cas	V1362 Cyg	BD+60 2405
HD 206773	8 Lac A	V1339 Aql	omi Aqr	12 Aur	HD 181308	V417 Cep
14 Lac	CT Cam	HD 224544	lam Eri	V357 Lac	V1448 Aql	V4131 Sgr
31 Peg	CW Cep	HD 22780	13 Tau	43 Ori	V750 Ara	V450 Cep
V782 Cas	69 Ori	18 And	V2148 Cyg	V413 Aur	V2144 Cyg	HD 204185
HD 177648	V2156 Cyg	V2136 Cyg	MEROPE	BD+40 4353	V1427 Cyg	HD 227611
EW Lac	HD 172694	nu Cyg	iot Ara	HD 21362	BD+54 2676	HD 228438
HD 35345	BD+62 2158	V2211 Cyg	V976 Cas	V413 Lac	HD 13900	V972 Cas
V803 Cas	HD 216113	V981 Cas	V977 Cas	V1546 Cyg	V830 Ara	V507 Per

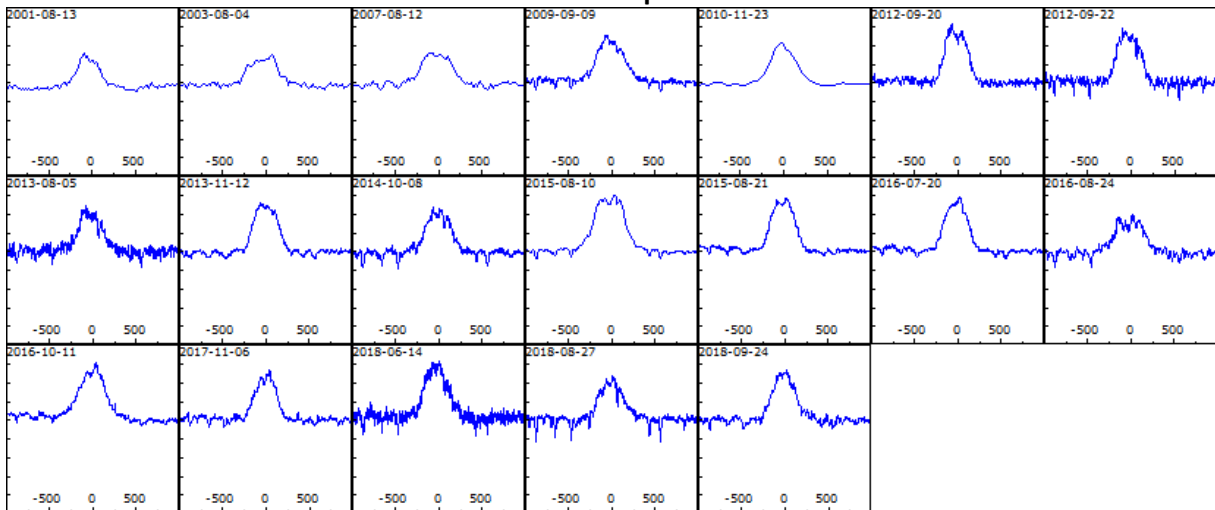
Emission increase since last observations



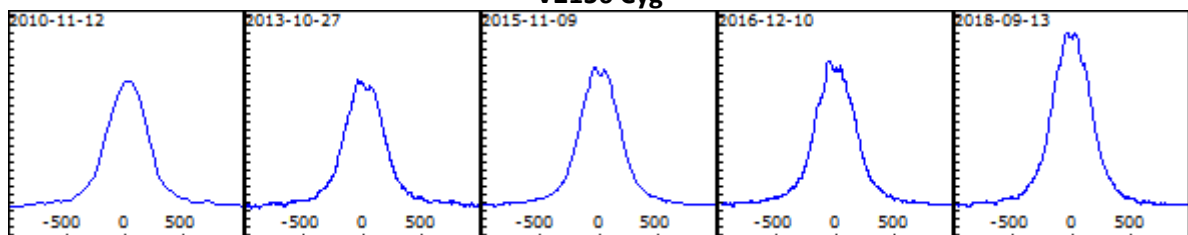
14 Lac 3yrs



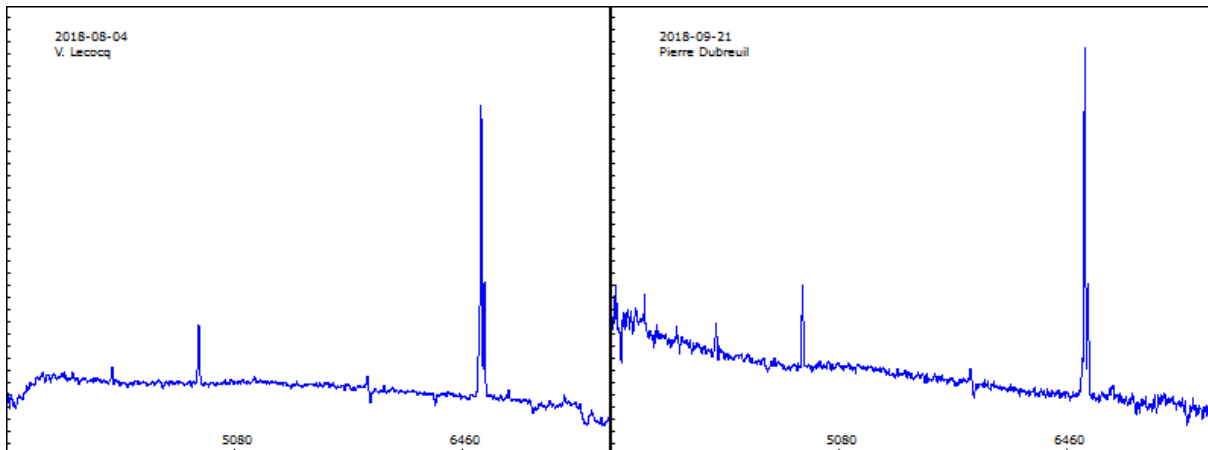
CW Cep



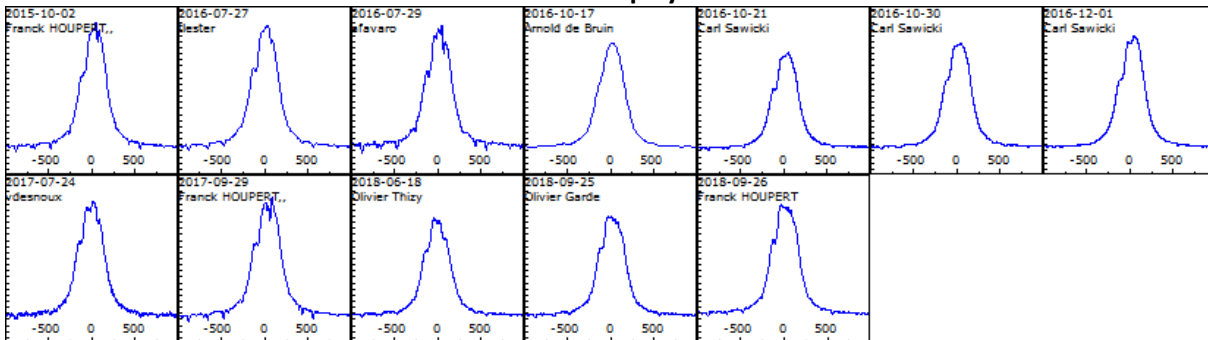
V2156 Cyg



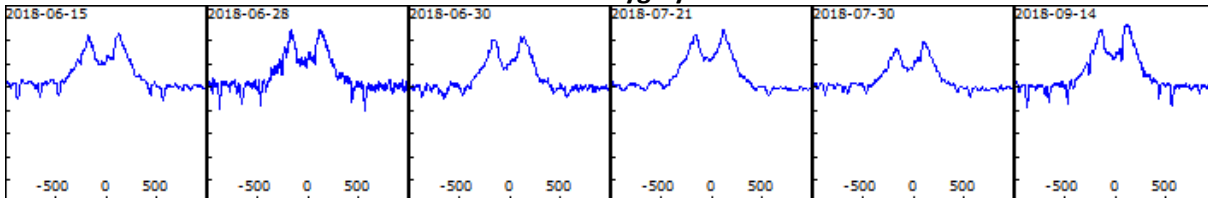
EM* CDS 1295



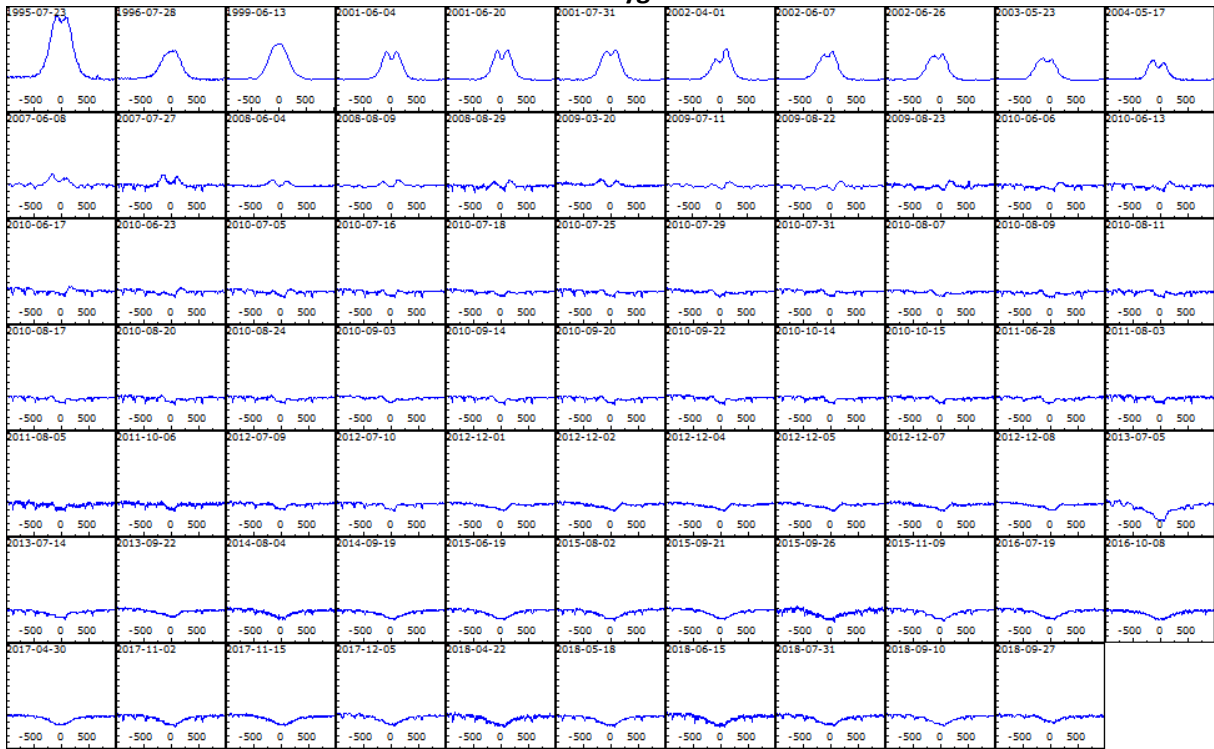
V1339 Aql 3yrs



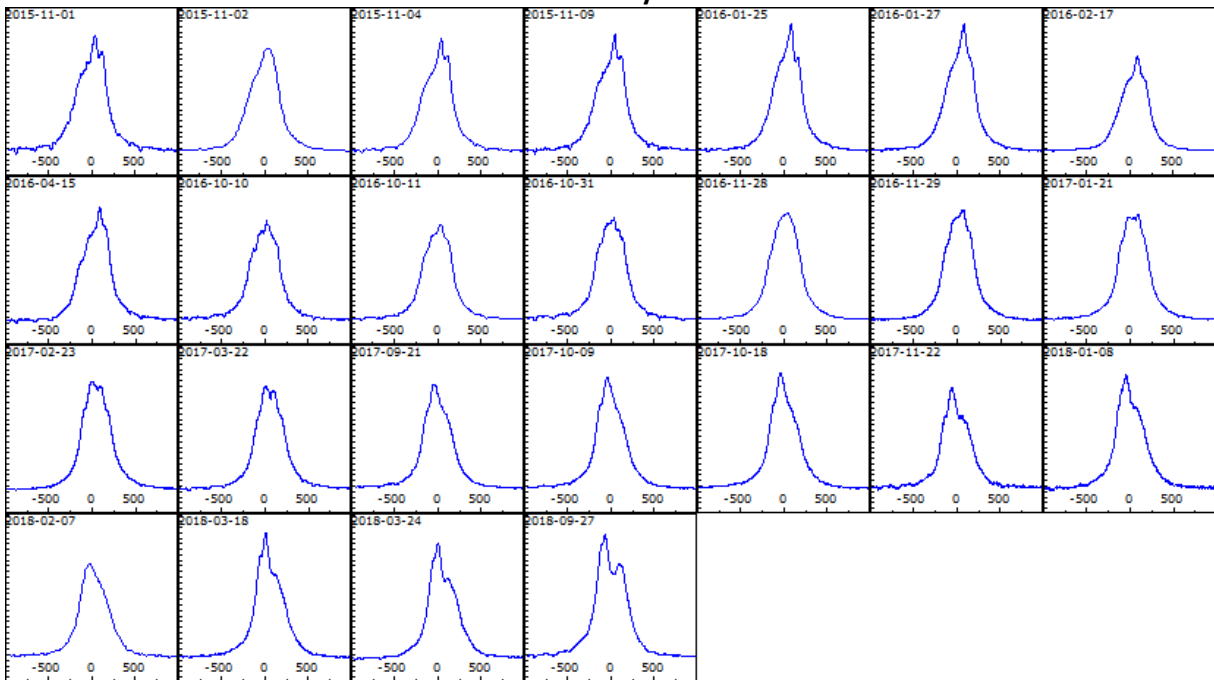
V2136 Cyg 1yr



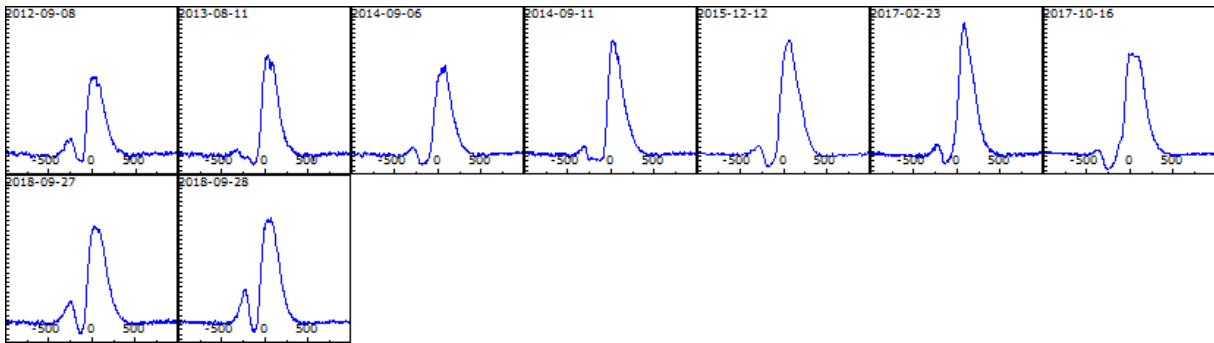
25 Cyg



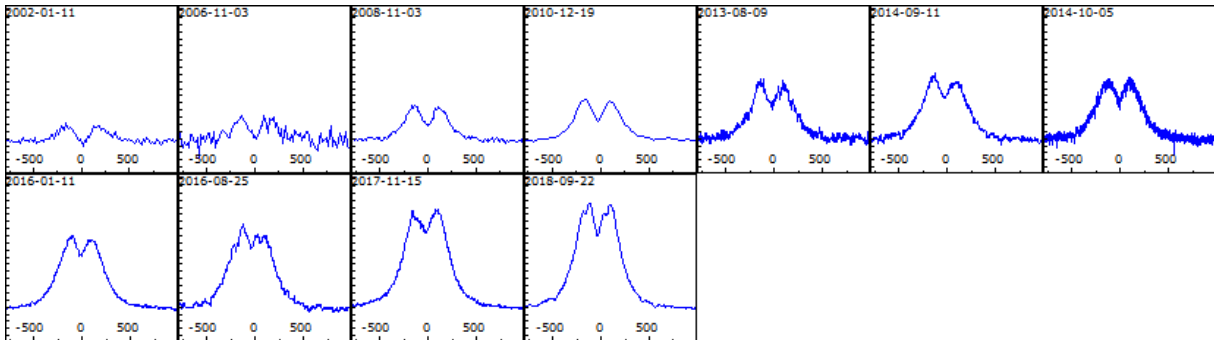
25 Ori 3yrs



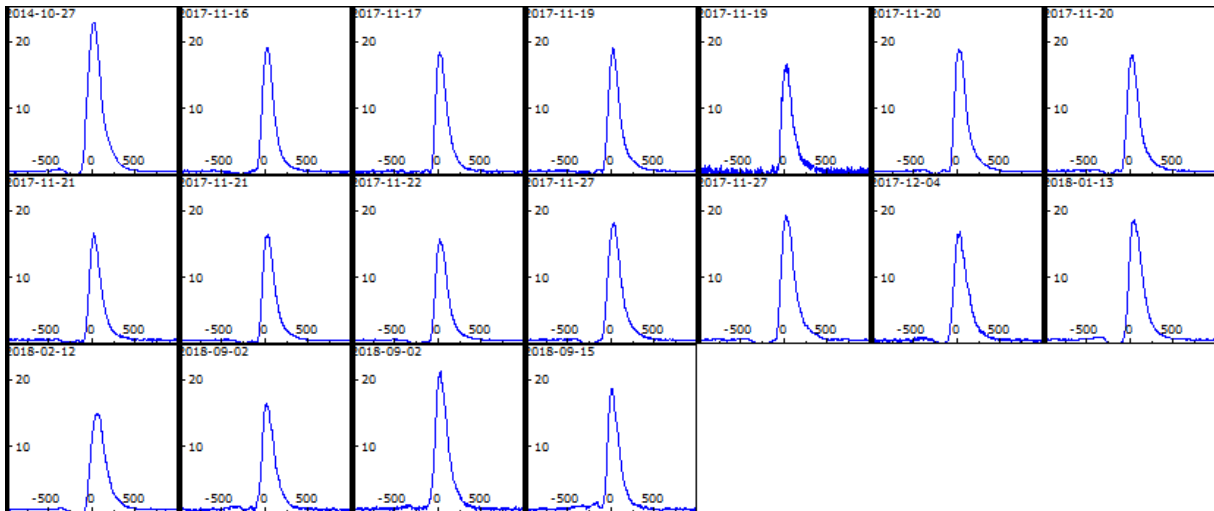
HD 31648



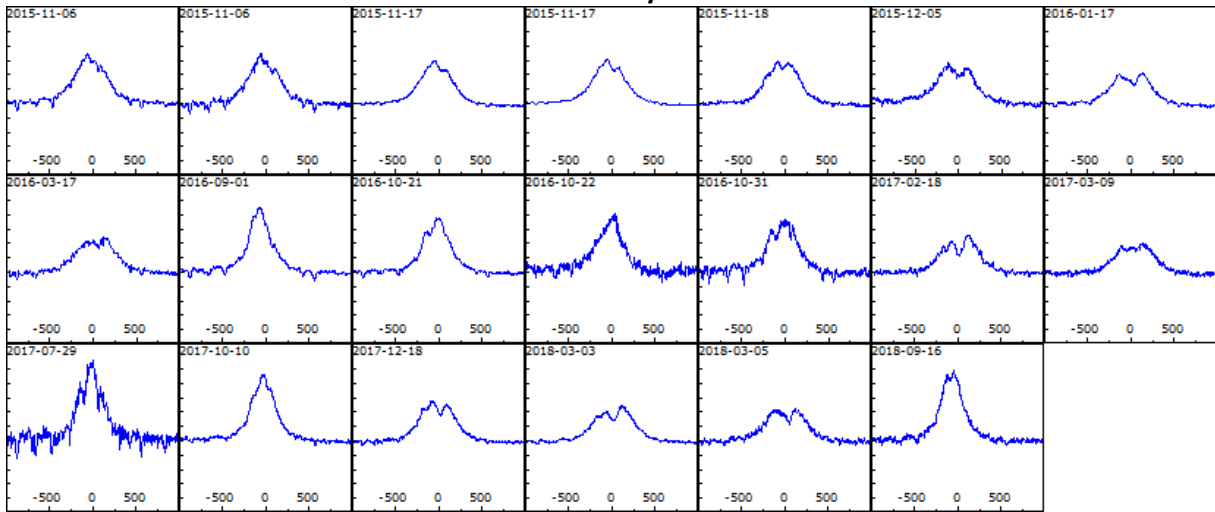
HD 13669



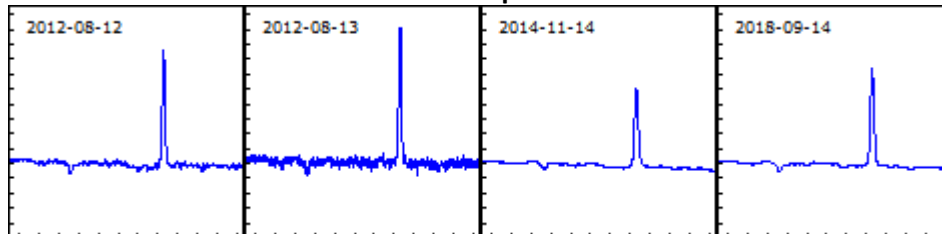
V594 Cas



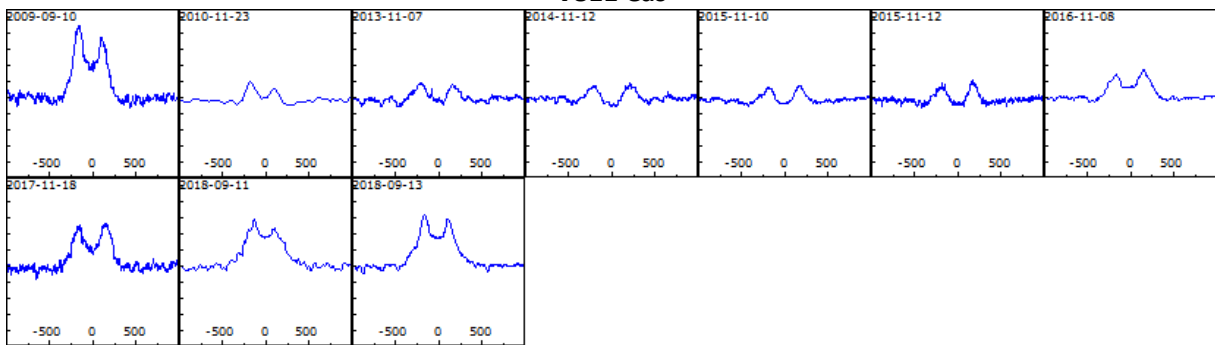
12 Aur 3yrs



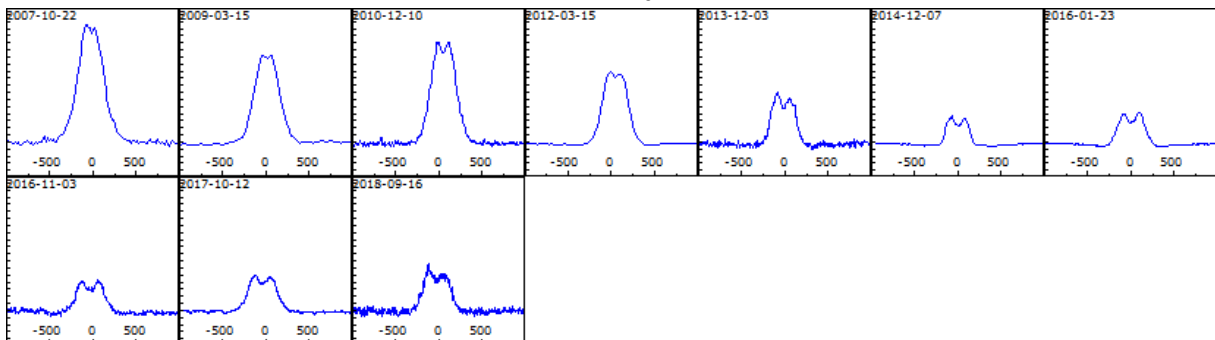
IL Cep



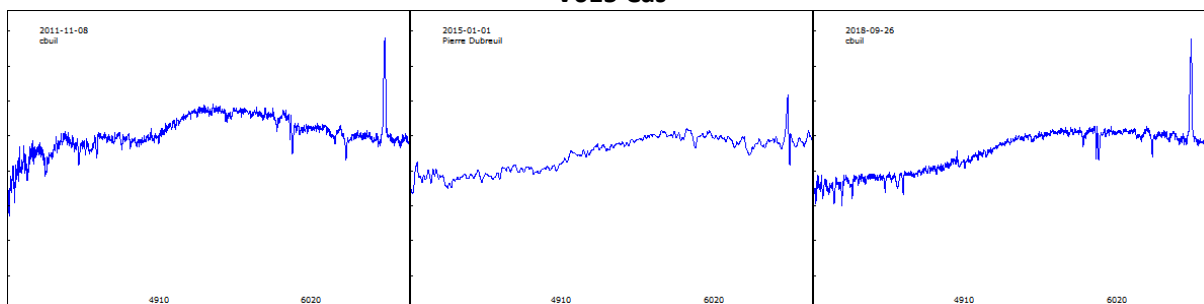
V811 Cas



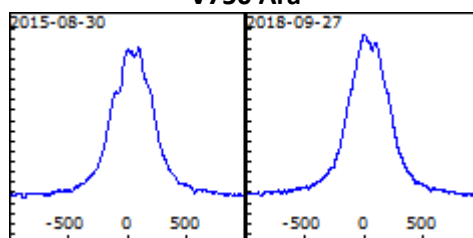
V447 Aur



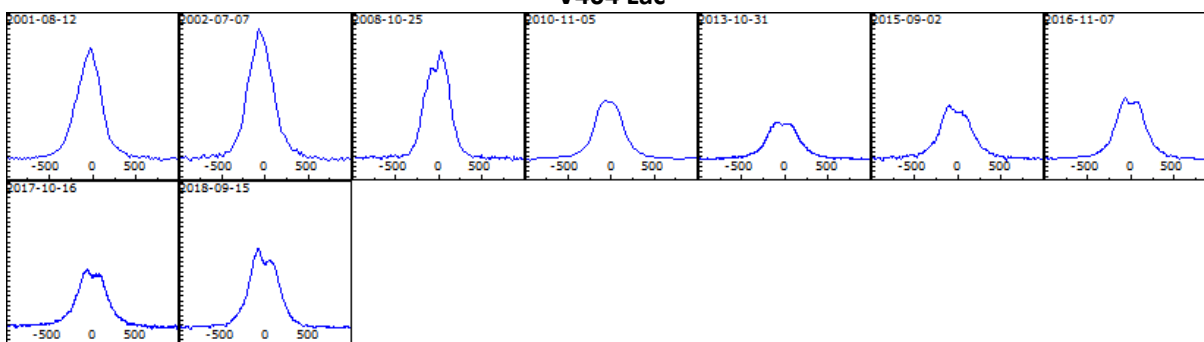
V615 Cas



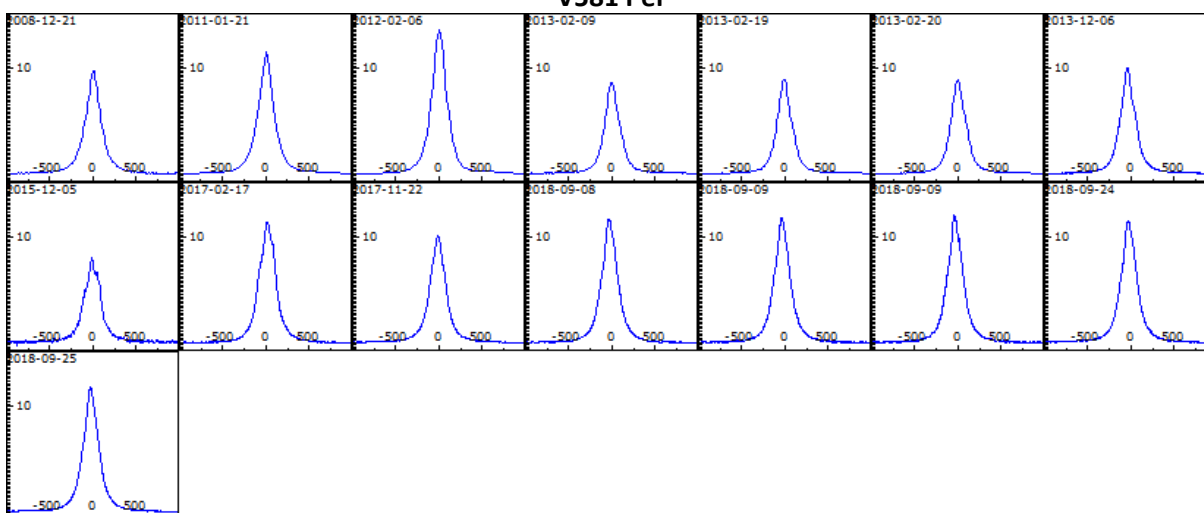
V750 Ara



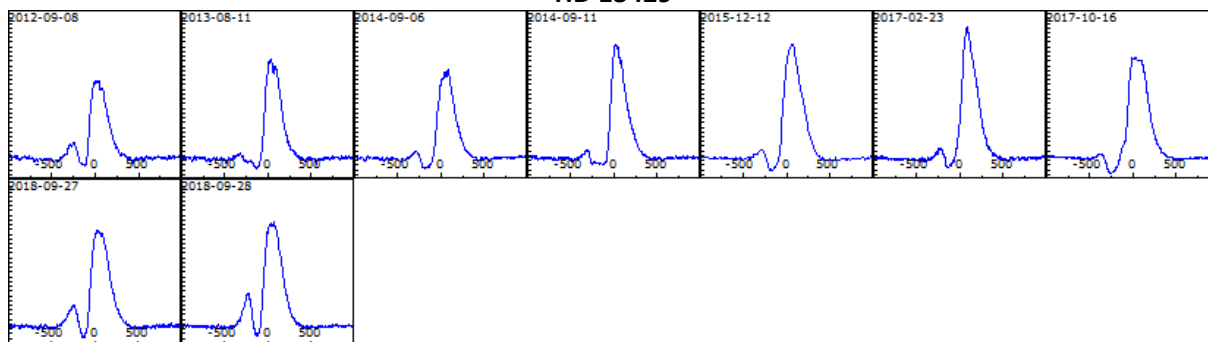
V404 Lac



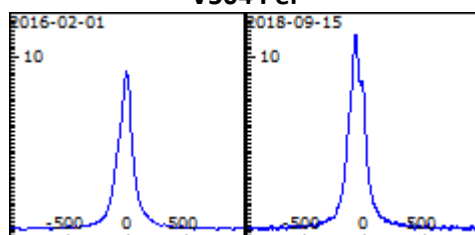
V581 Per



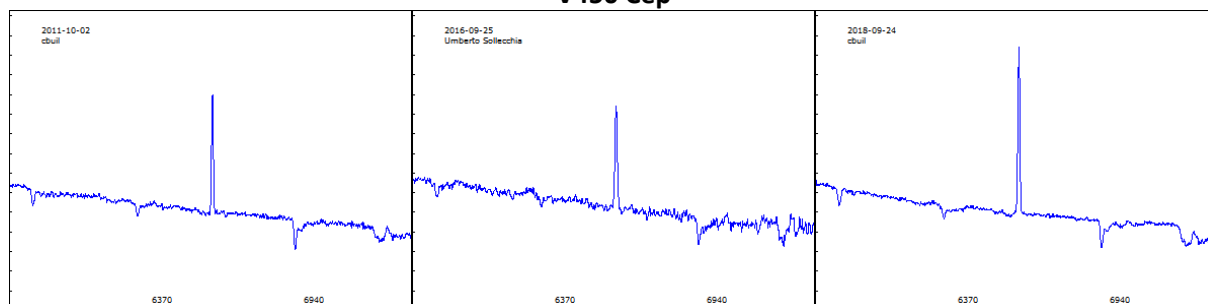
HD 13429



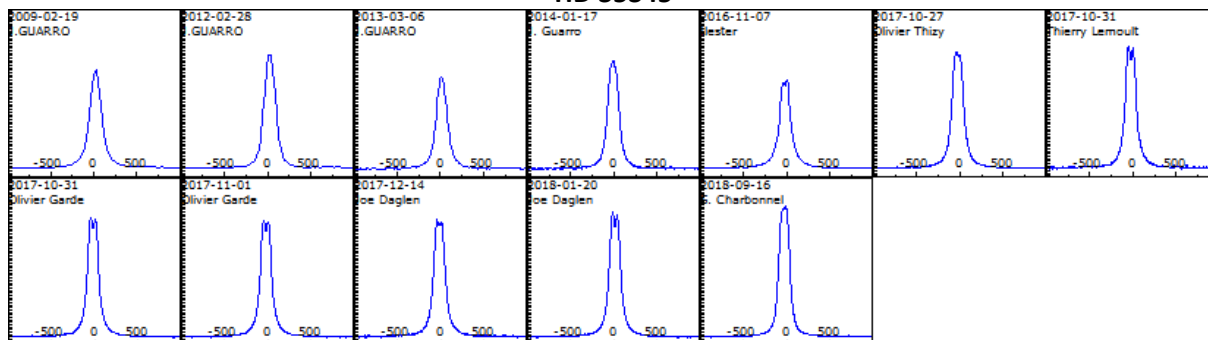
V504 Per



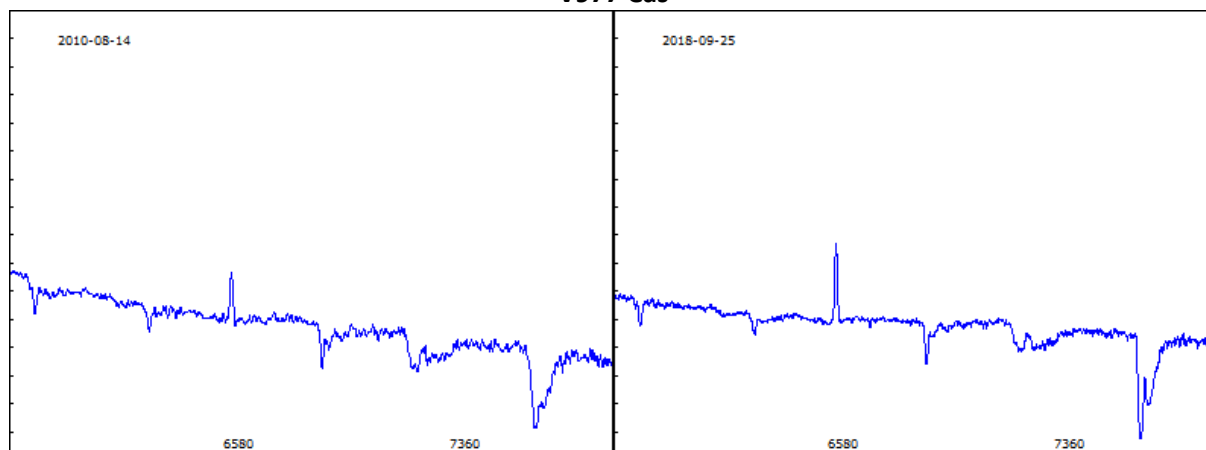
V450 Cep



HD 35345

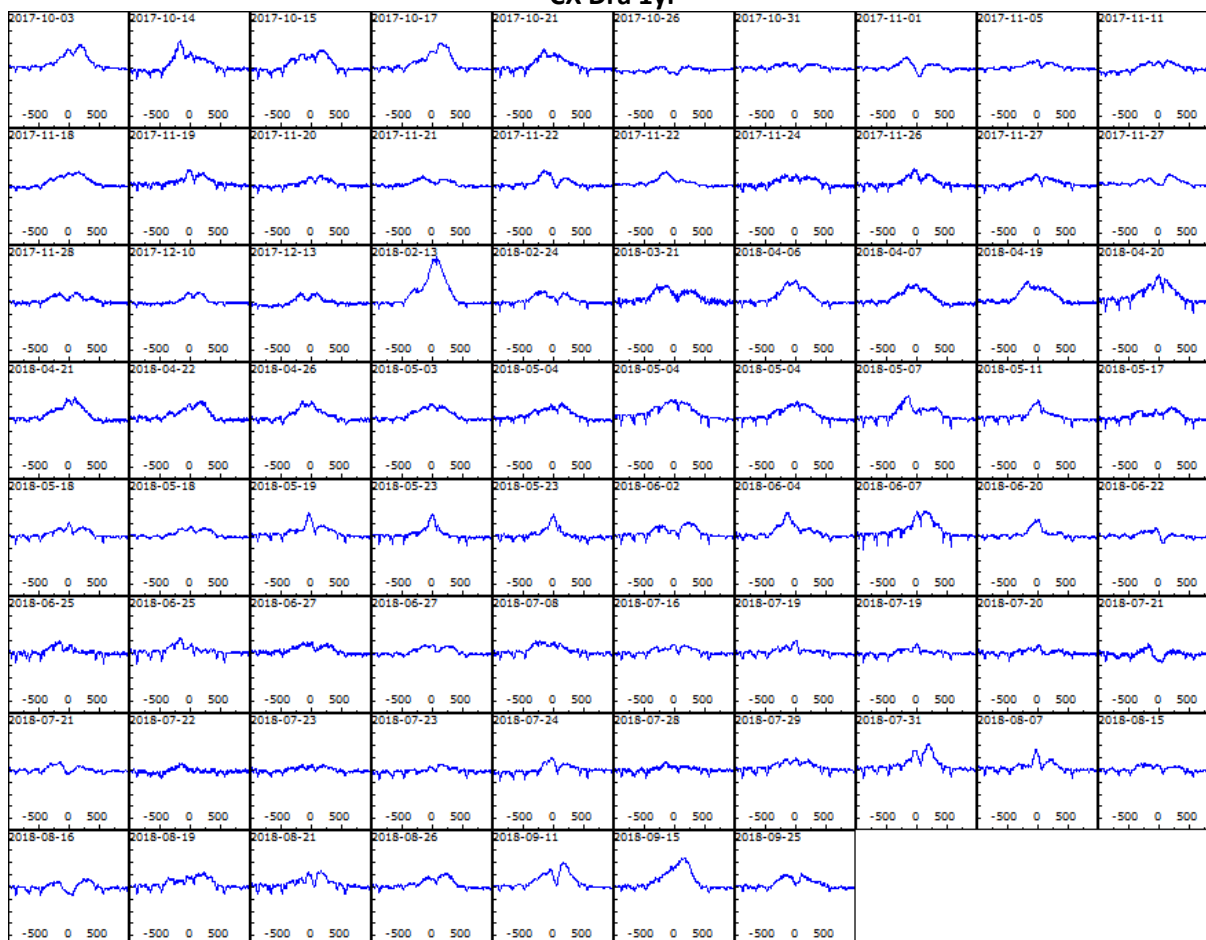


V977 Cas

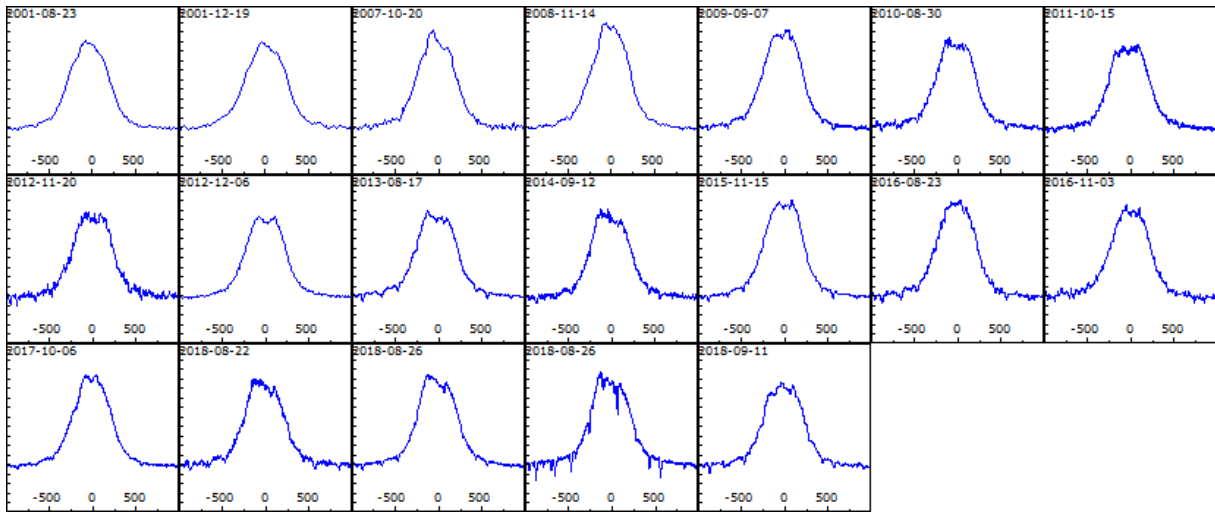


Moderate evolutions of H-alpha line

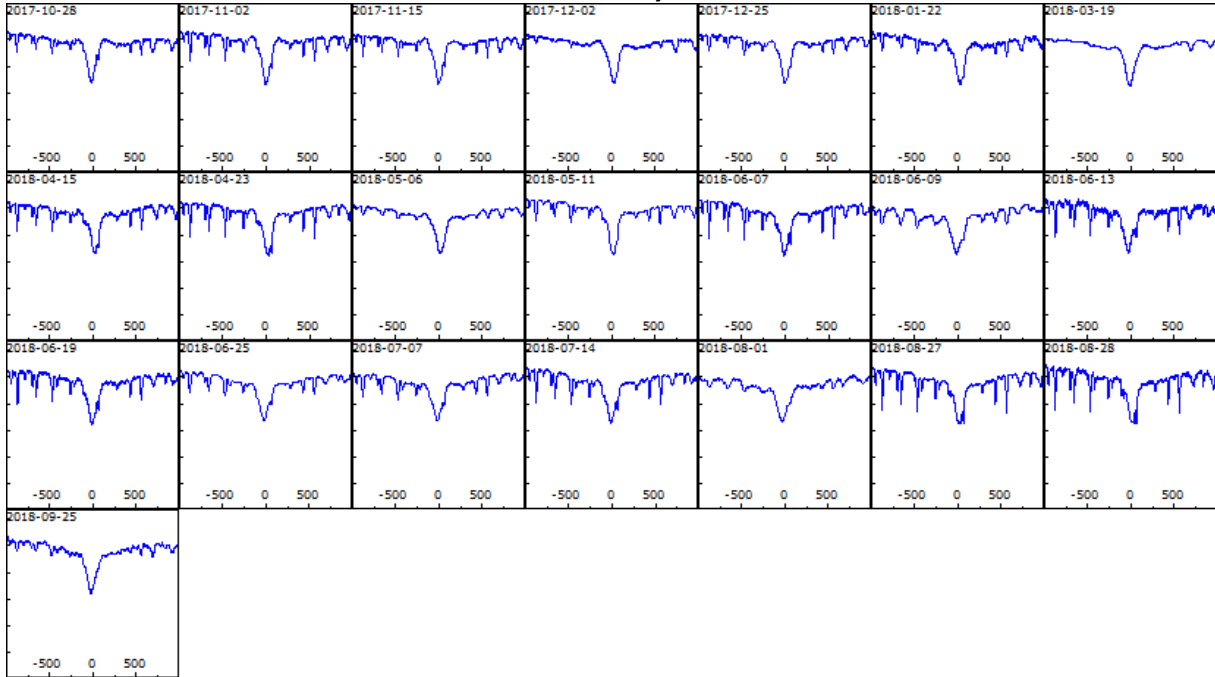
CX Dra 1yr



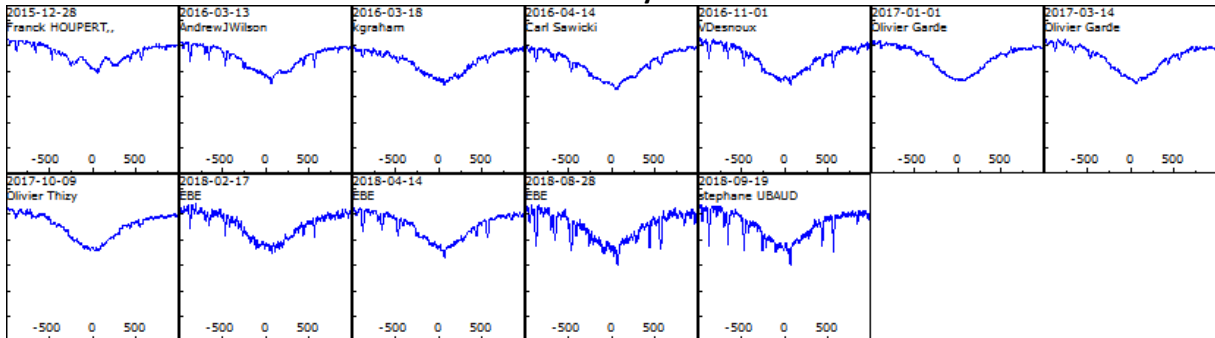
V782 Cas



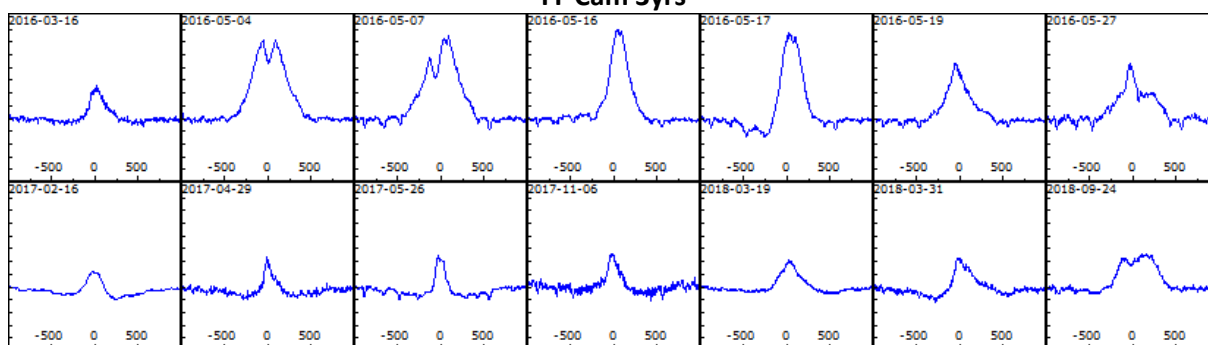
ALFIRK 1yr



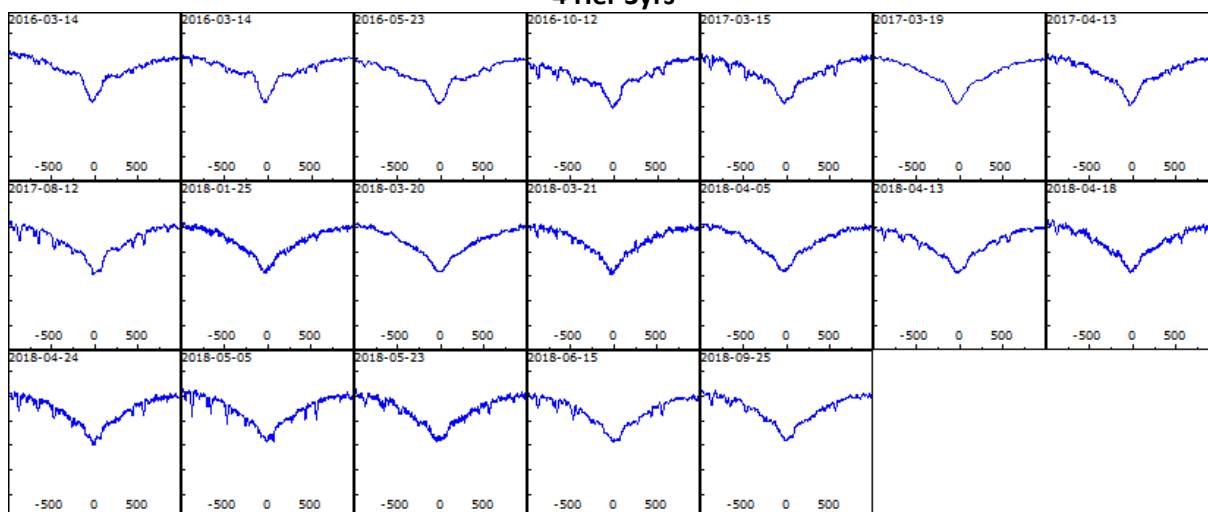
69 Ori 3yrs



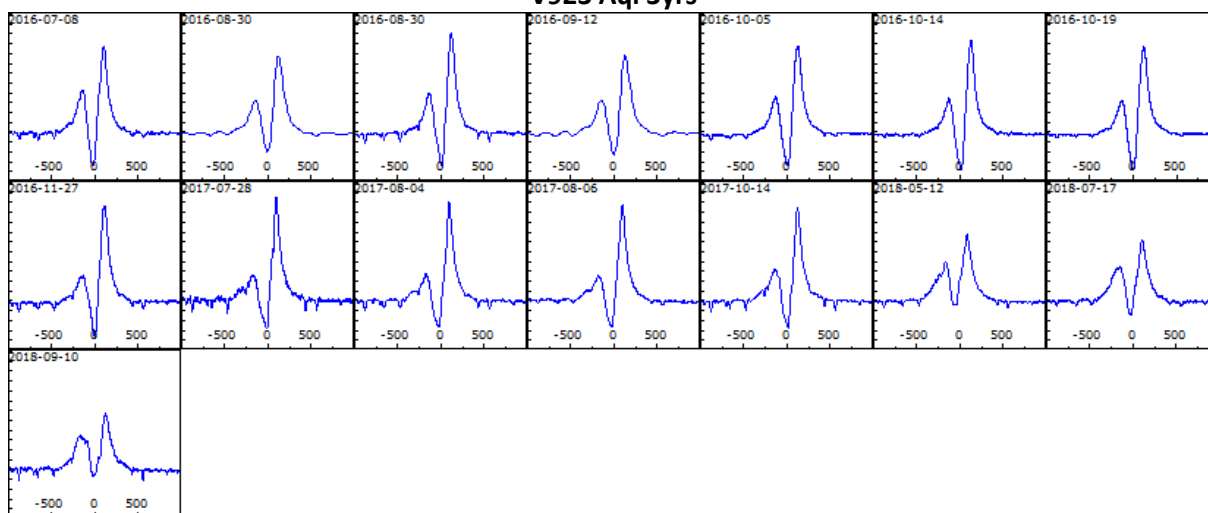
FF Cam 3yrs



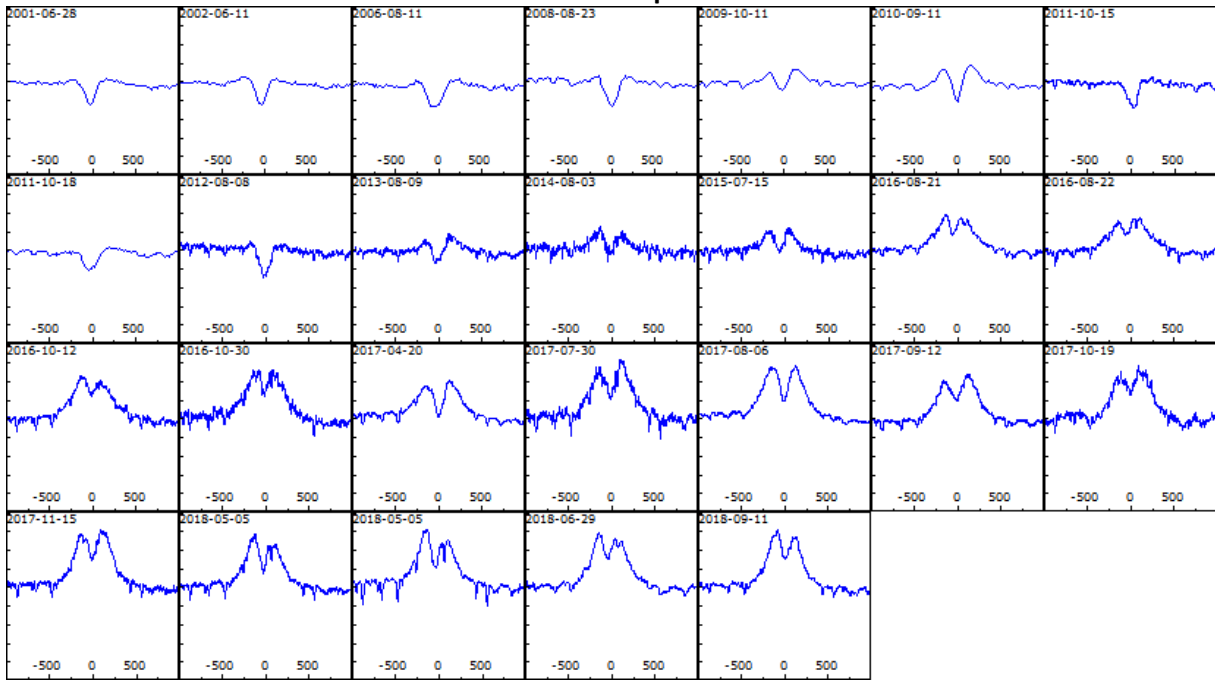
4 Her 3yrs



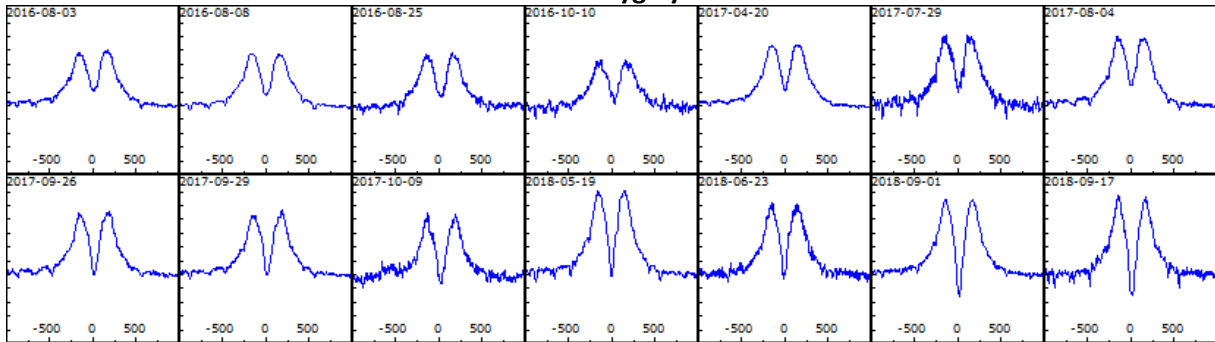
V923 Aql 3yrs



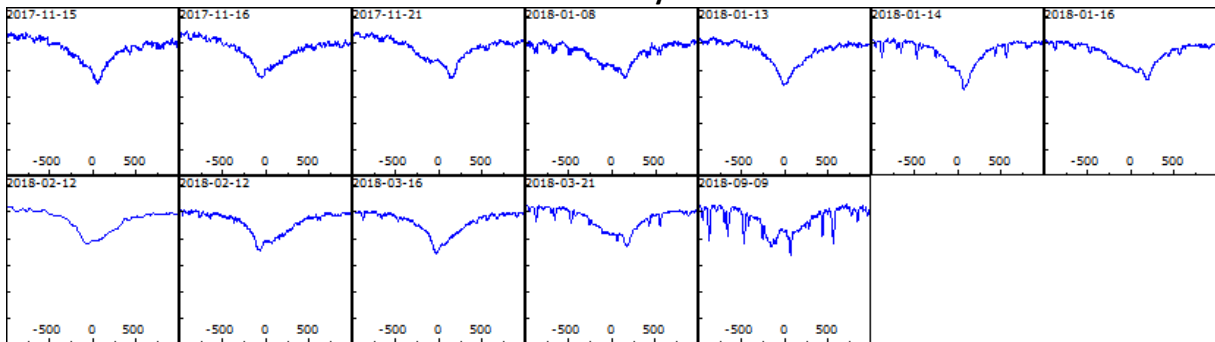
V421 Cep



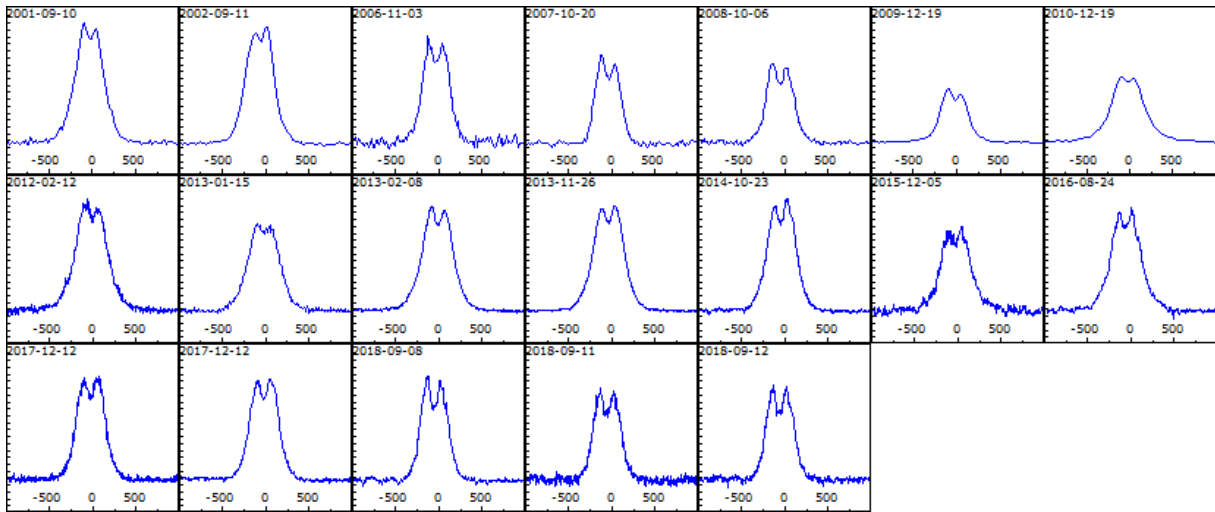
V2148 Cyg 3yrs



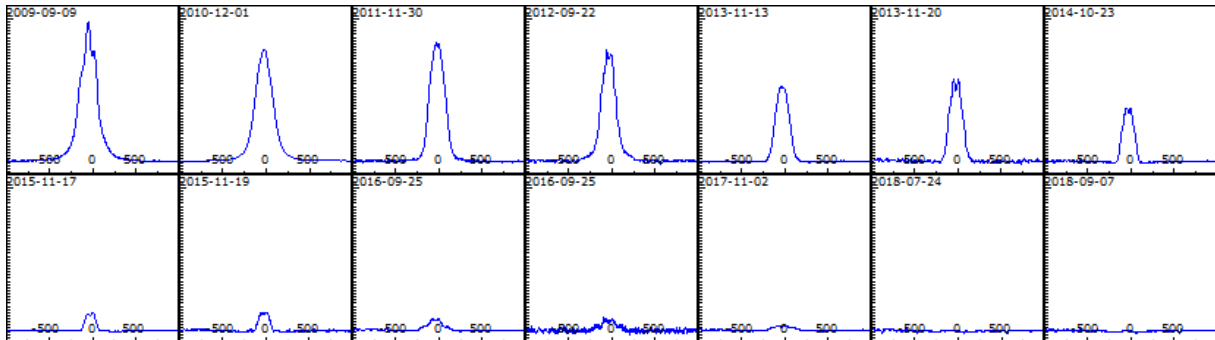
eta Ori 1yr



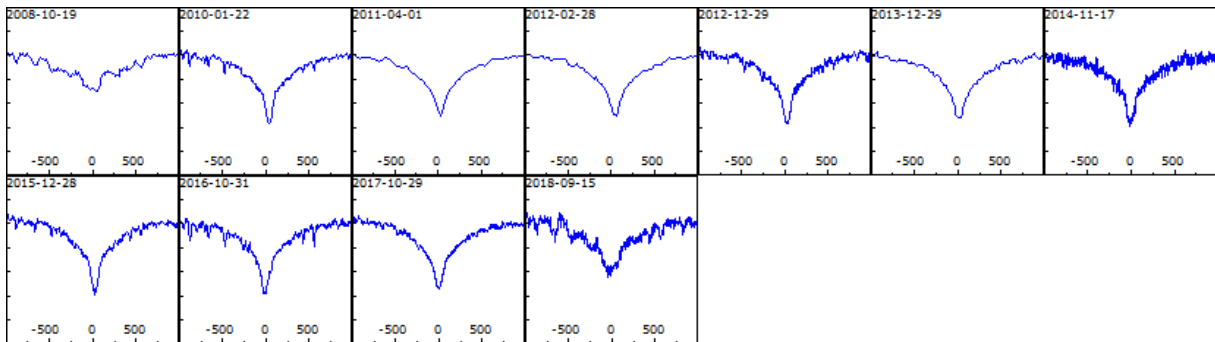
V549 Per



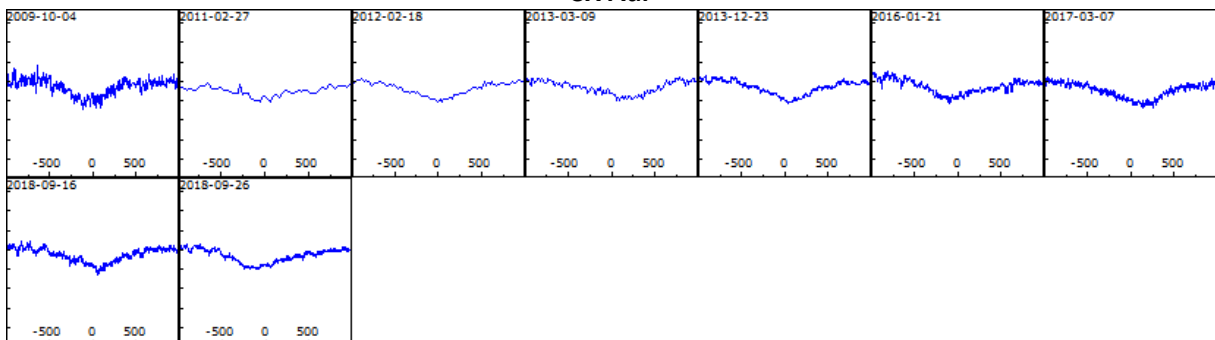
HD 225095



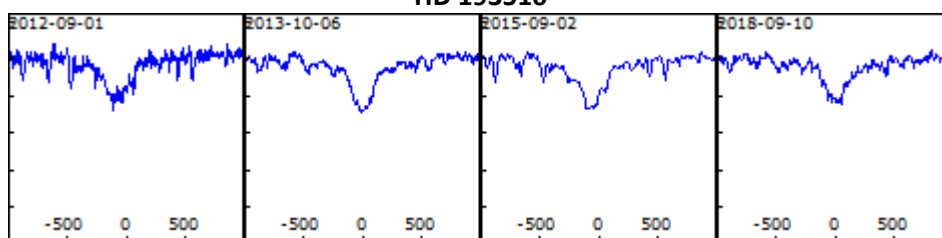
HD 36408



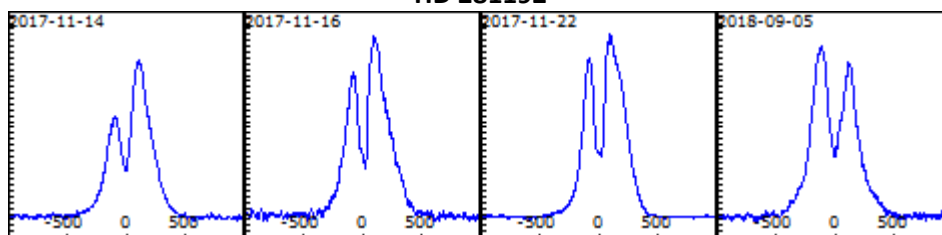
SX Aur



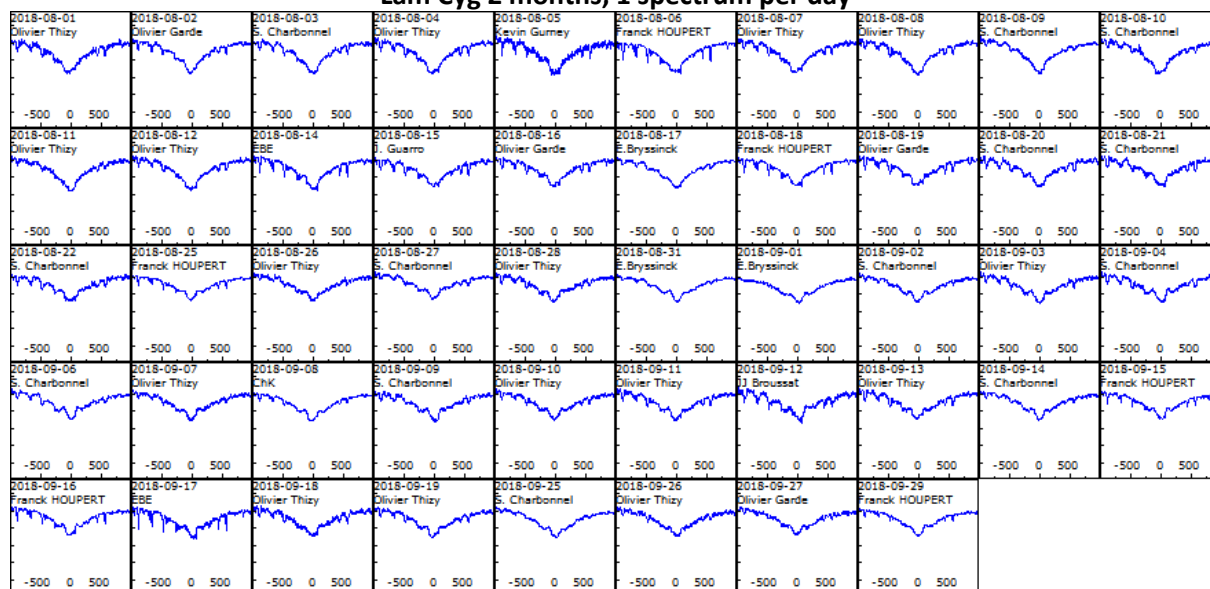
HD 193516



HD 281192

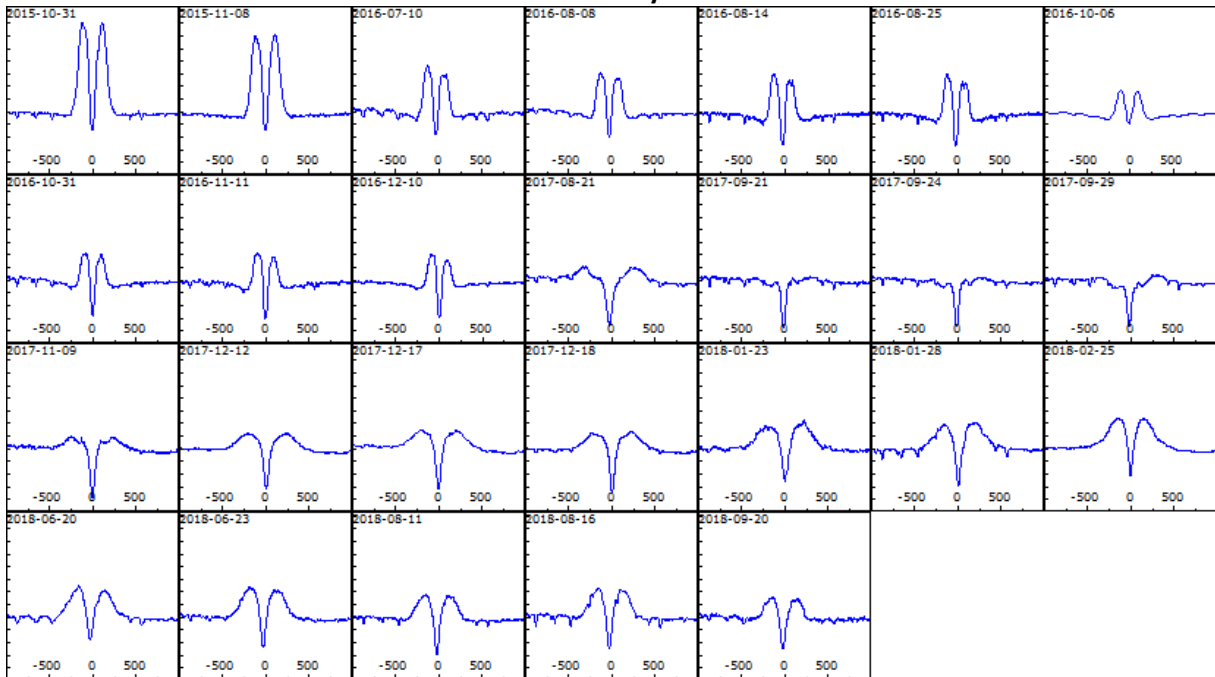


Lam Cyg 2 months, 1 spectrum per day

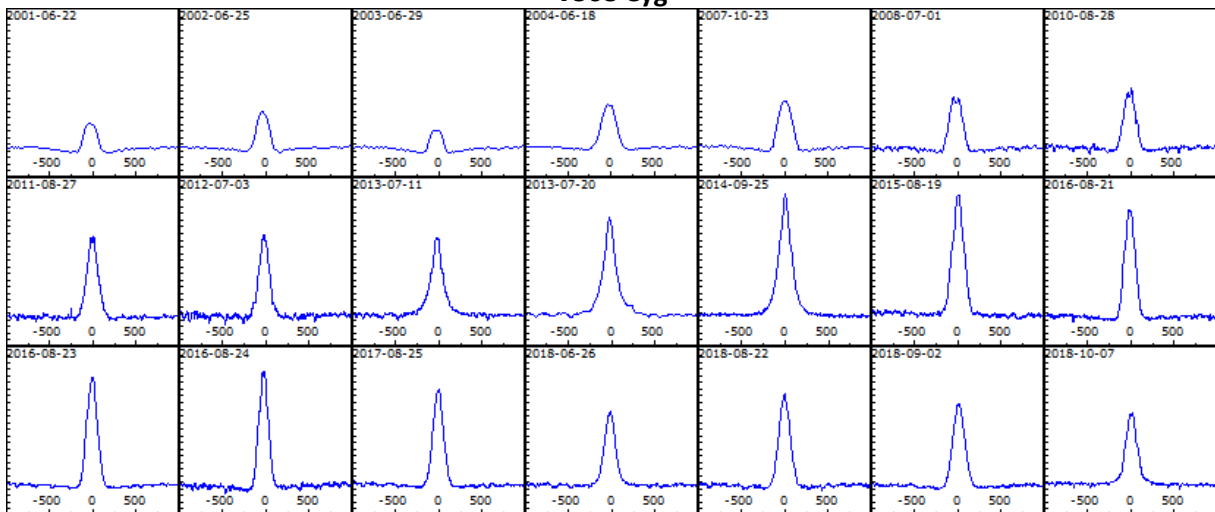


Emission decrease of H-alpha line

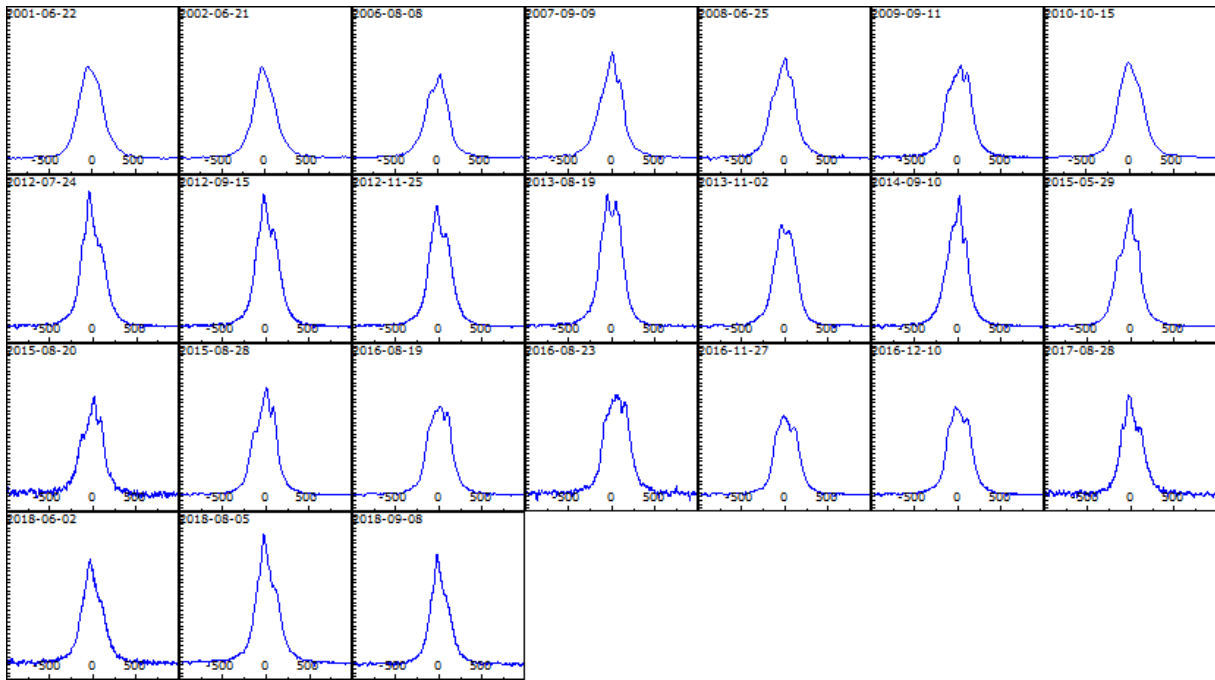
EW Lac 3yrs



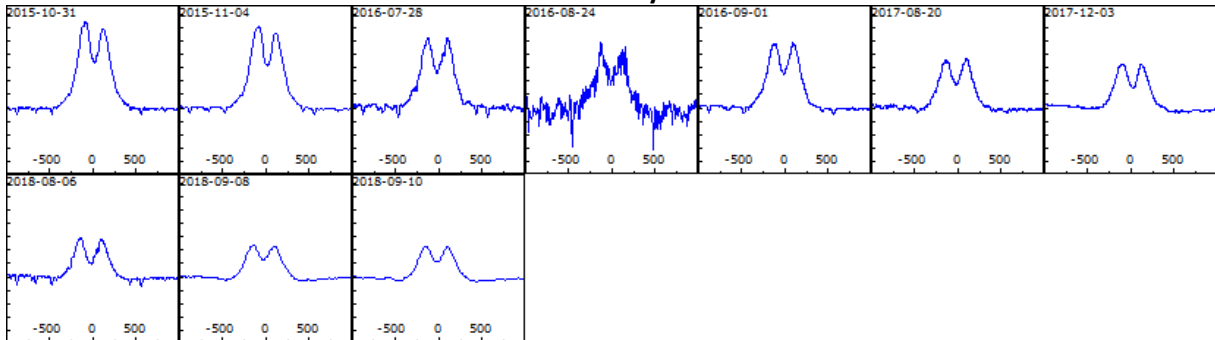
V568 Cyg



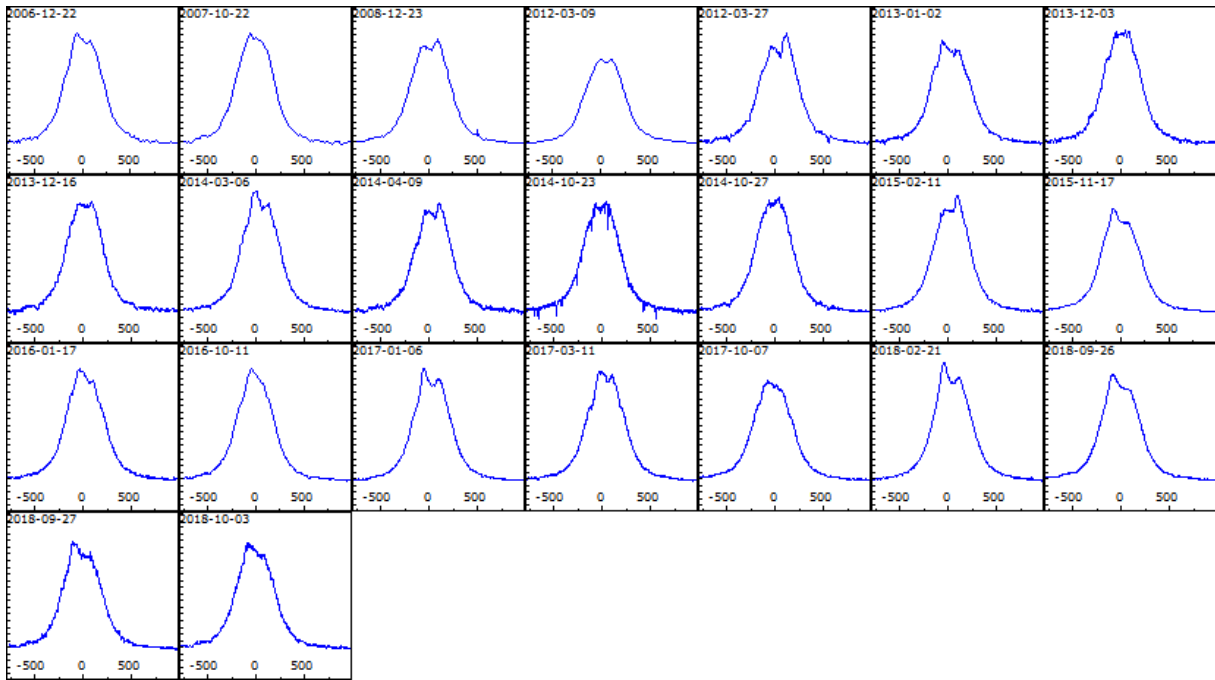
HD 192445



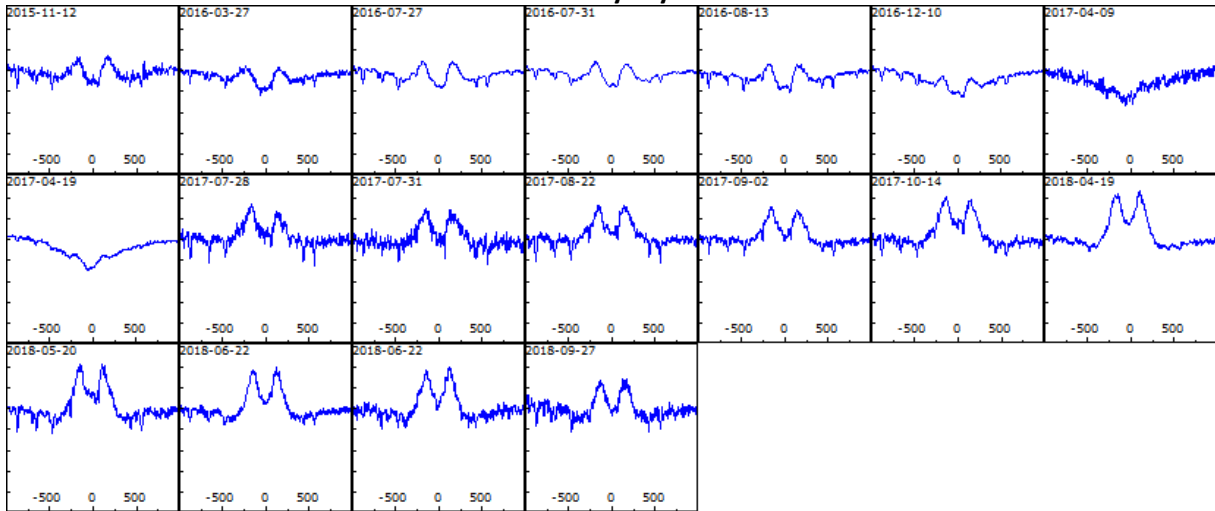
8 Lac A 3yrs



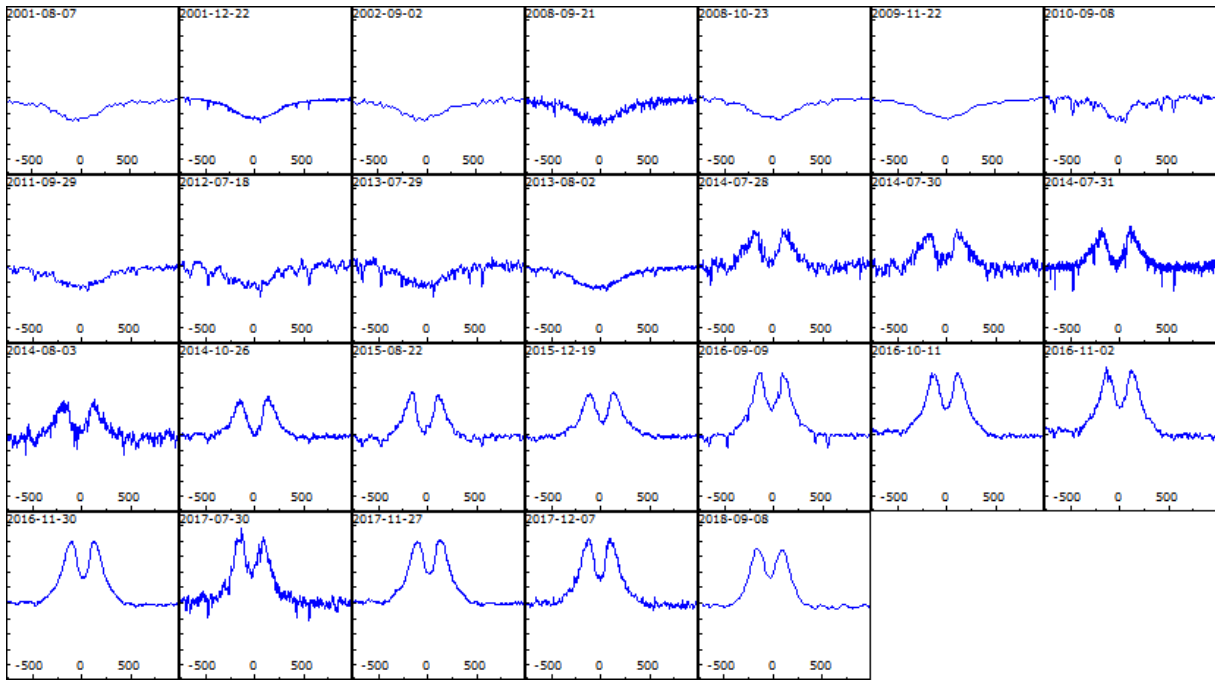
V1165 Tau



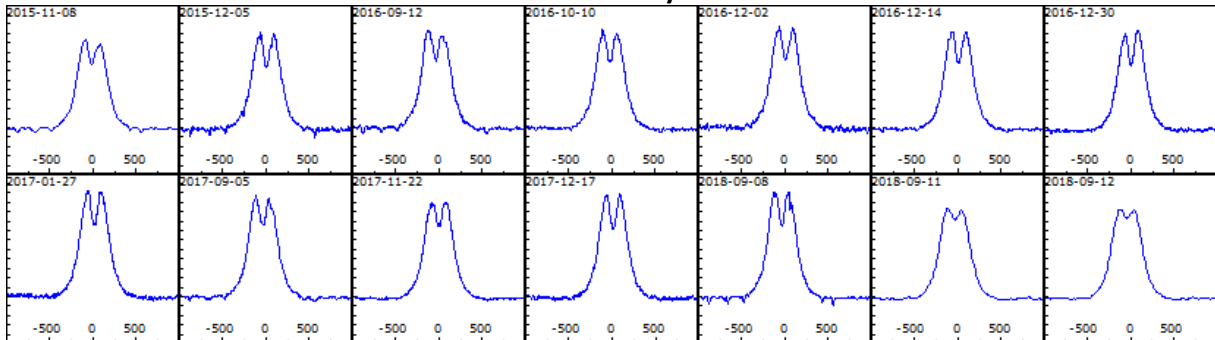
V532 Lyr 3yrs



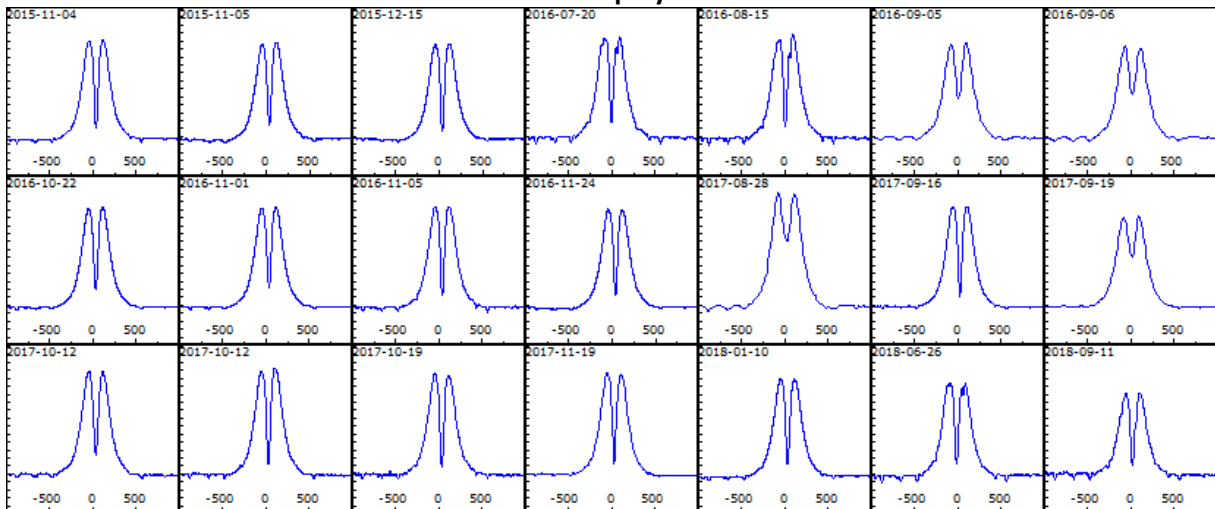
HD 224544



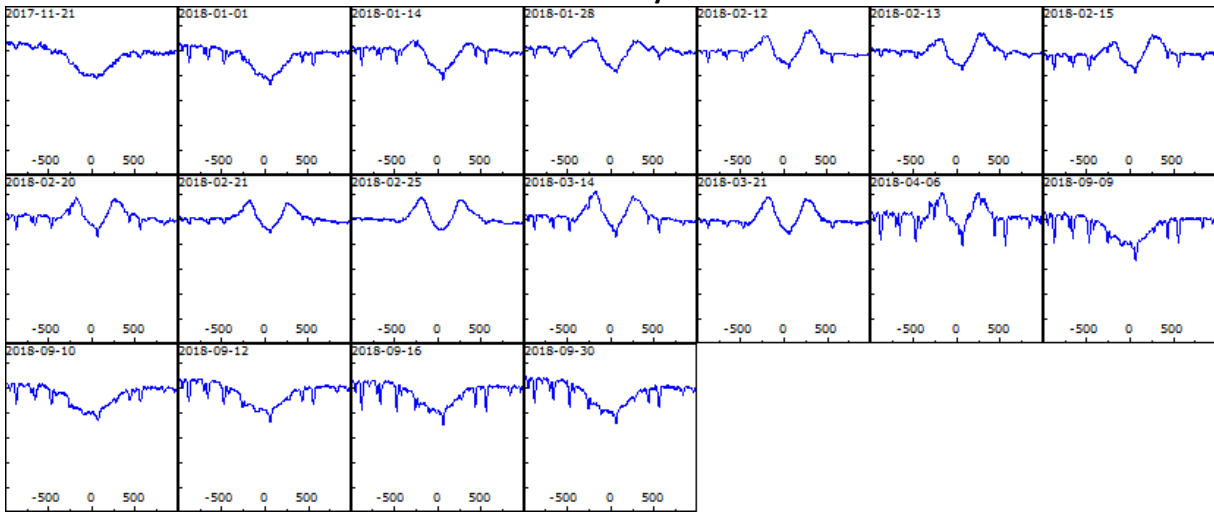
HD 18552 3yrs



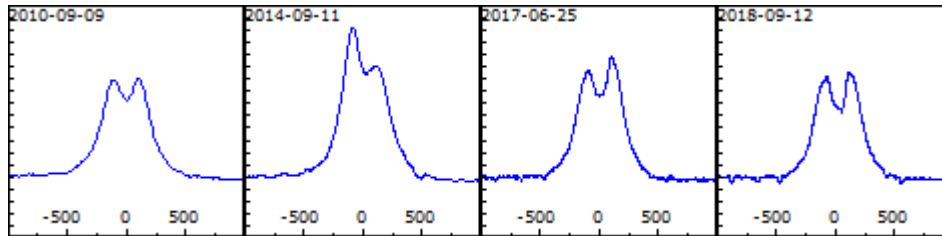
omi Aqr 3yrs



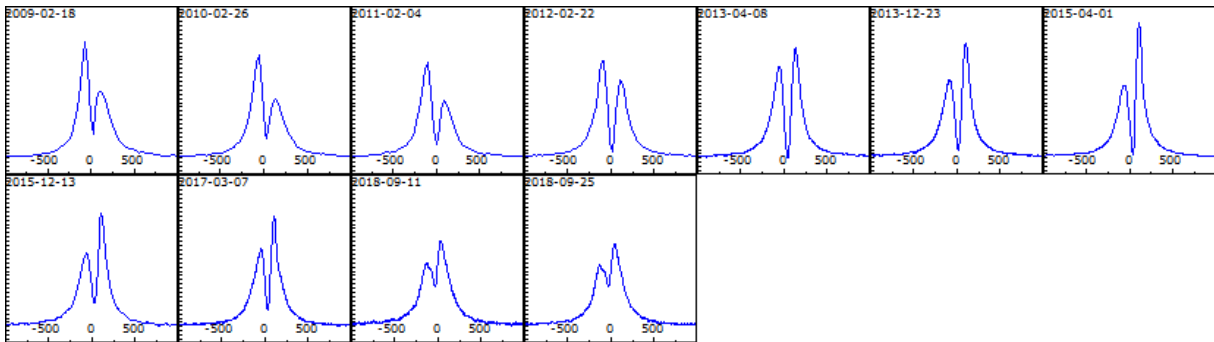
lam Eri 1yr



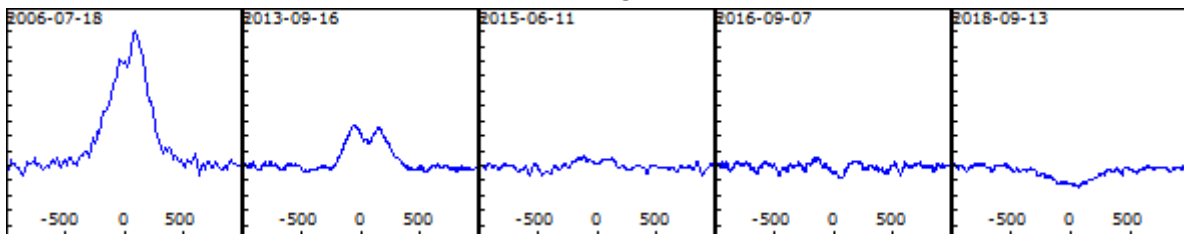
iot Ara



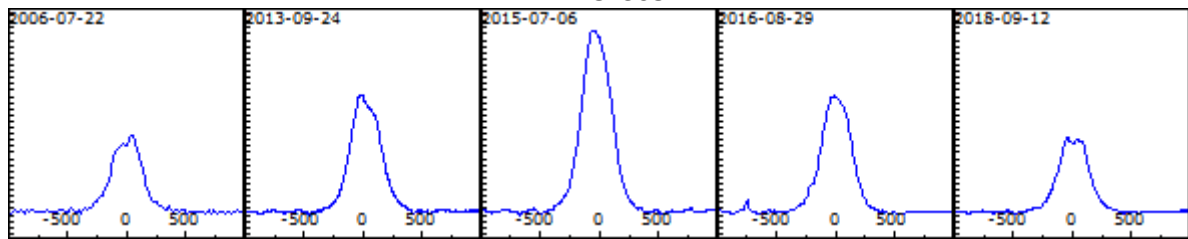
V414 Aur



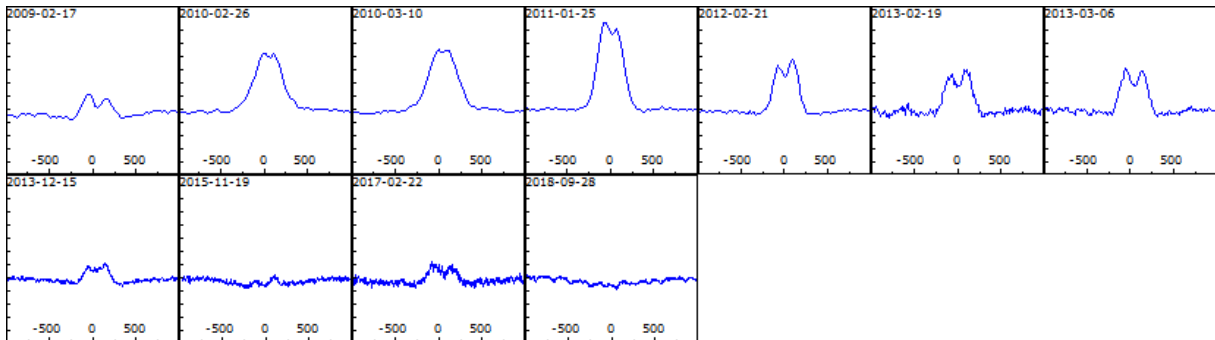
HD 174571



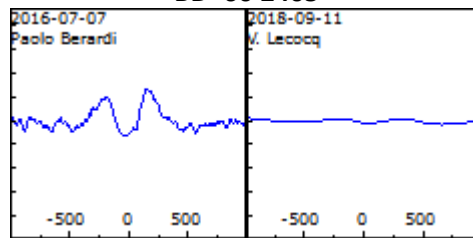
HD 181308



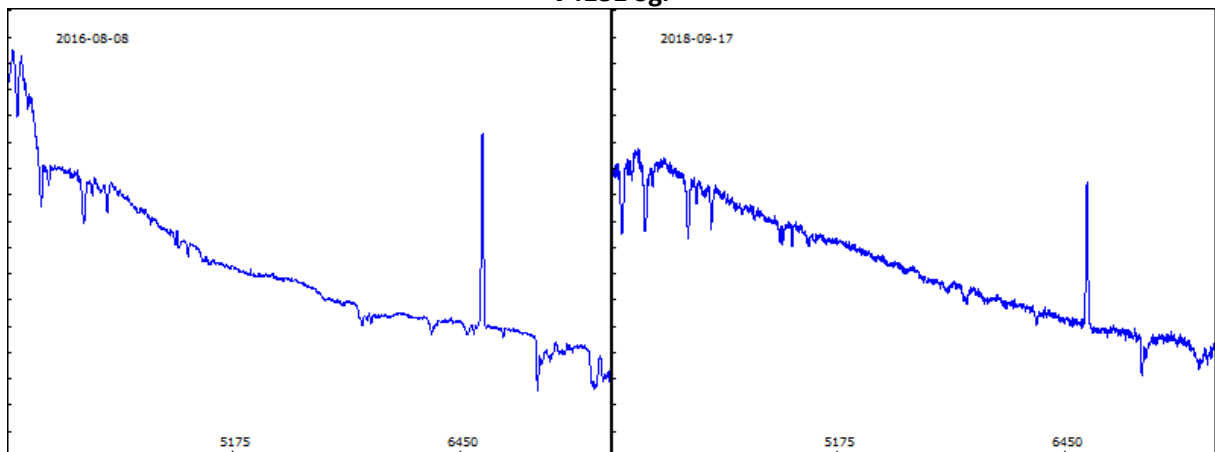
V1153 Tau



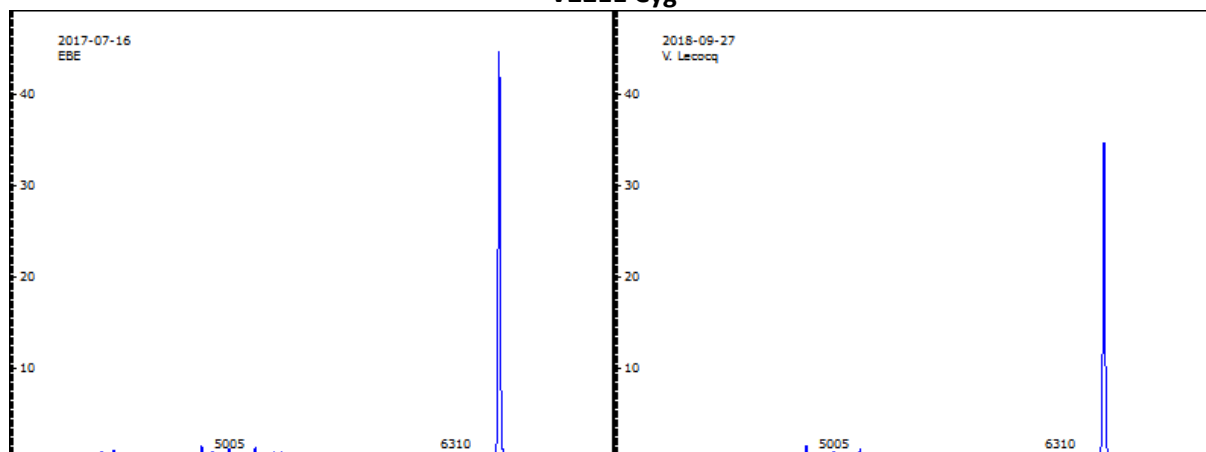
BD+60 2405



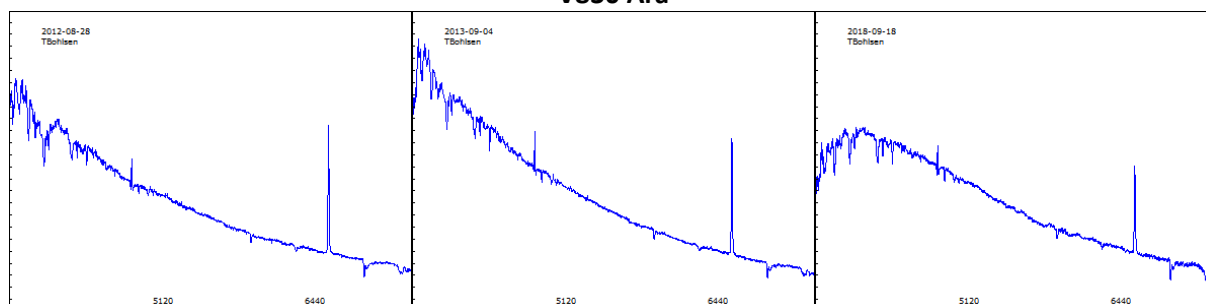
V4131 Sgr



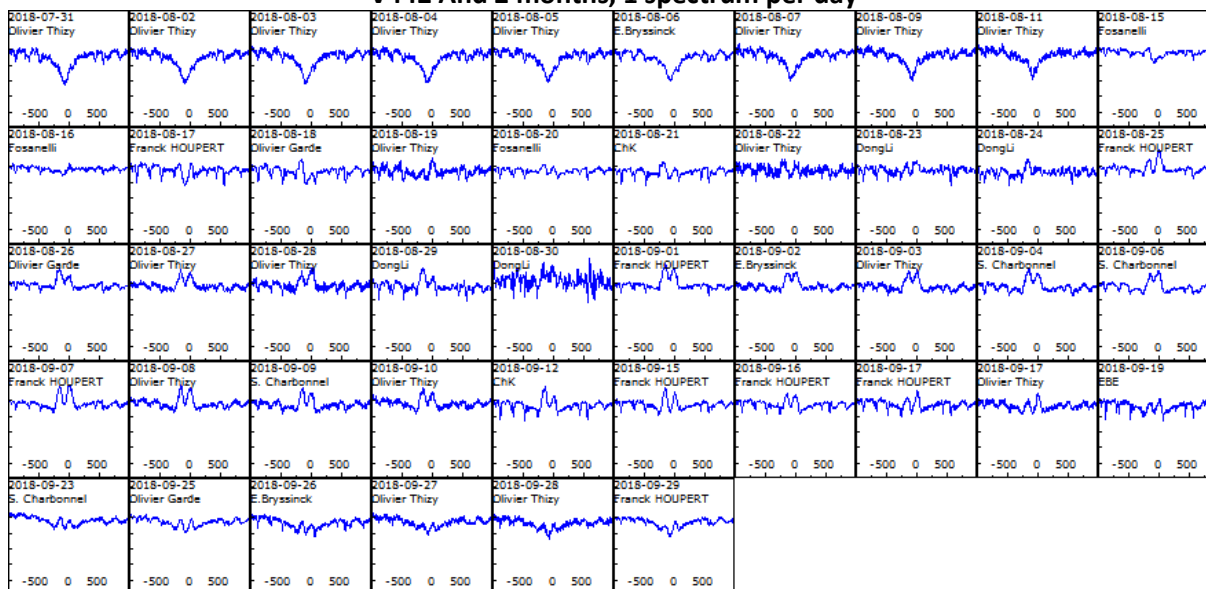
V2211 Cyg



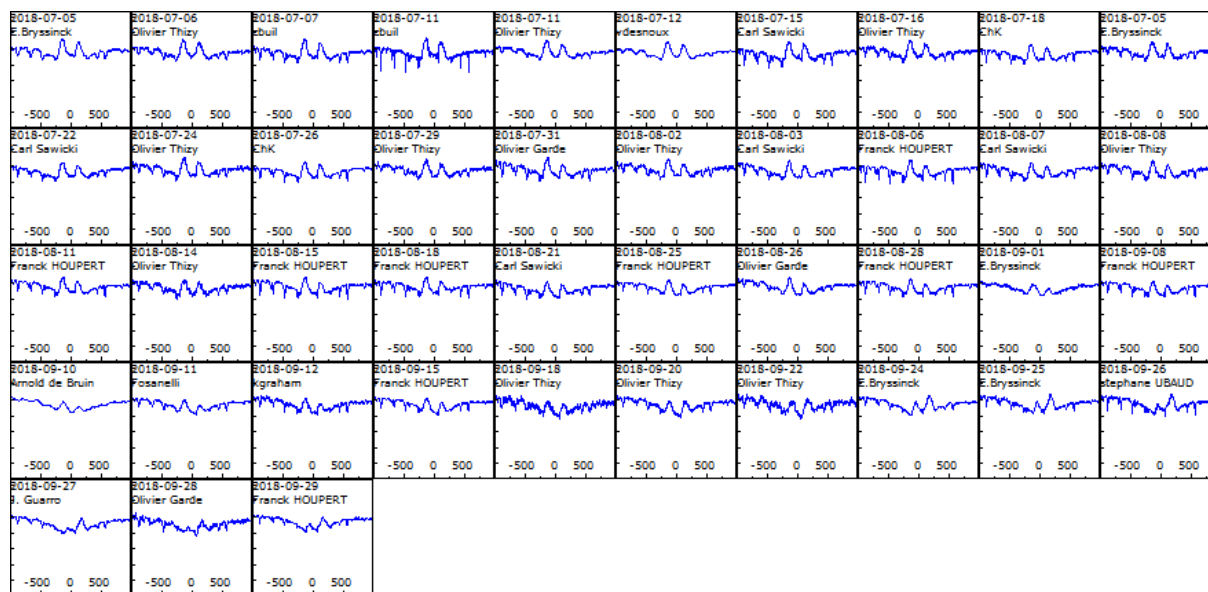
V830 Ara



V442 And 2 months, 1 spectrum per day



QR Vul 3 months, 1 spectrum per day



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/>