

BeSS report – June 2019

Data compiled by Valérie Desnoux – H-alpha monitoring

- 68 stars were observed
- 15 Observers contributed this month
- 168 Spectra

Observers...

Observateur	Nb spec
Thizy	63
Bryssinck	24
Guarro Fló	19
Dull	17
bertrand	14
Lecocq	5
HOUPERT	5
KREIDER	5
Iadevaia	3
Charbonnel	3
Favaro	3
GARDE	3
Heathcote	2
Schwarz	1
Bohlson	1
Total général	168

Events of the month...

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

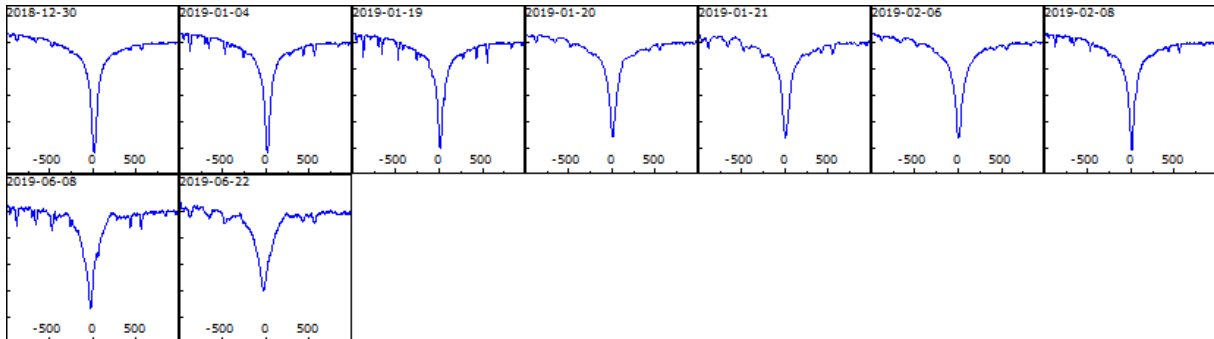
EE	ME	DE
omi And	Iam Cyg	V974 Her
QR Vul	12 Vul	V532 Lyr
14 Lac	CX Dra	HD 205551
HD 177648	HD 171780	V357 Lac
EW Lac	HD 193182	V780 Cas
60 Cyg	HD 190864	V718 Sco
V2113 Cyg	HL Lib	HD 197434
V923 Aql	25 Vul	BD+49 2768
20 Vul	25 Cyg	
V2136 Cyg		
V2148 Cyg		
V2153 Cyg		
V396 Vul		
HD 179218		
HD 174105		

Objects observed

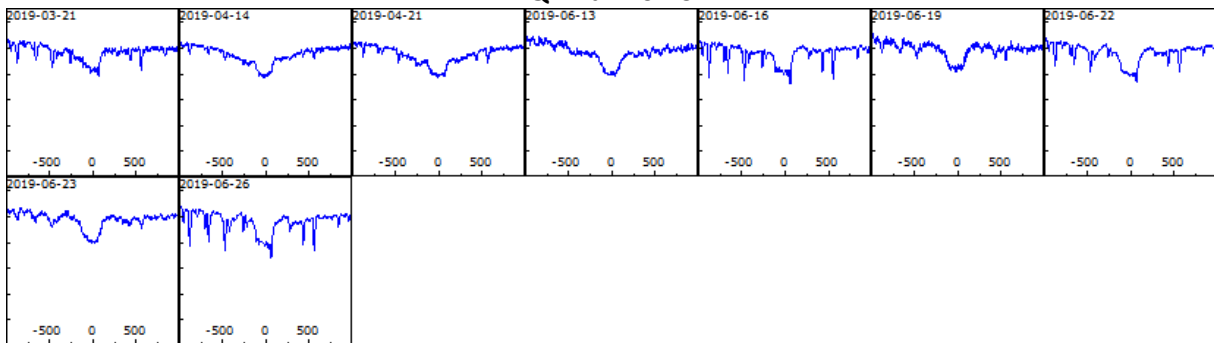
Classique						?	herbig
Iam Cyg	EW Lac	53 Boo	V396 Vul	V750 Ara	iot Lyr	51 Oph	HD 179218
omi And	ALFIRK	4 Her	V2163 Cyg	HD 197434	4 Aql		V718 Sco
28 Cyg	del Sco	BD+23 3183	kap Aql	BZ Cru	HD 205551		
QR Vul	V2119 Cyg	zet Oph	V357 Lac	V1322 Cyg	V2136 Cyg		
gam Cas	V974 Her	HD 162428	HD 189689	HD 333452	25 Cyg		
12 Vul	HD 171780	HD 168957	HD 7720	EM* AS 368	16 Peg		
CX Dra	7 Vul	V2113 Cyg	V780 Cas	EM* CDS 1054	HD 181409		
14 Lac	QT Ser	V923 Aql	HD 112028	BD+49 2768	V2148 Cyg		
SHELIAC	11 Cyg	25 Vul	HD 174105	omi Her	V2139 Cyg		
HD 177648	HD 193182	20 Vul	66 Oph	V532 Lyr	V2153 Cyg		
60 Cyg	HD 190864	tet CrB	kap Dra	HL Lib			

Emission increase since last observations

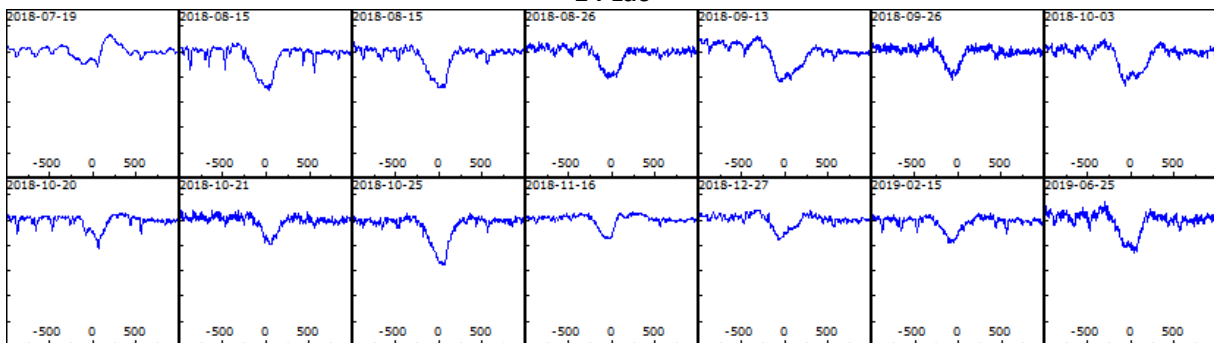
omi And – 6mo



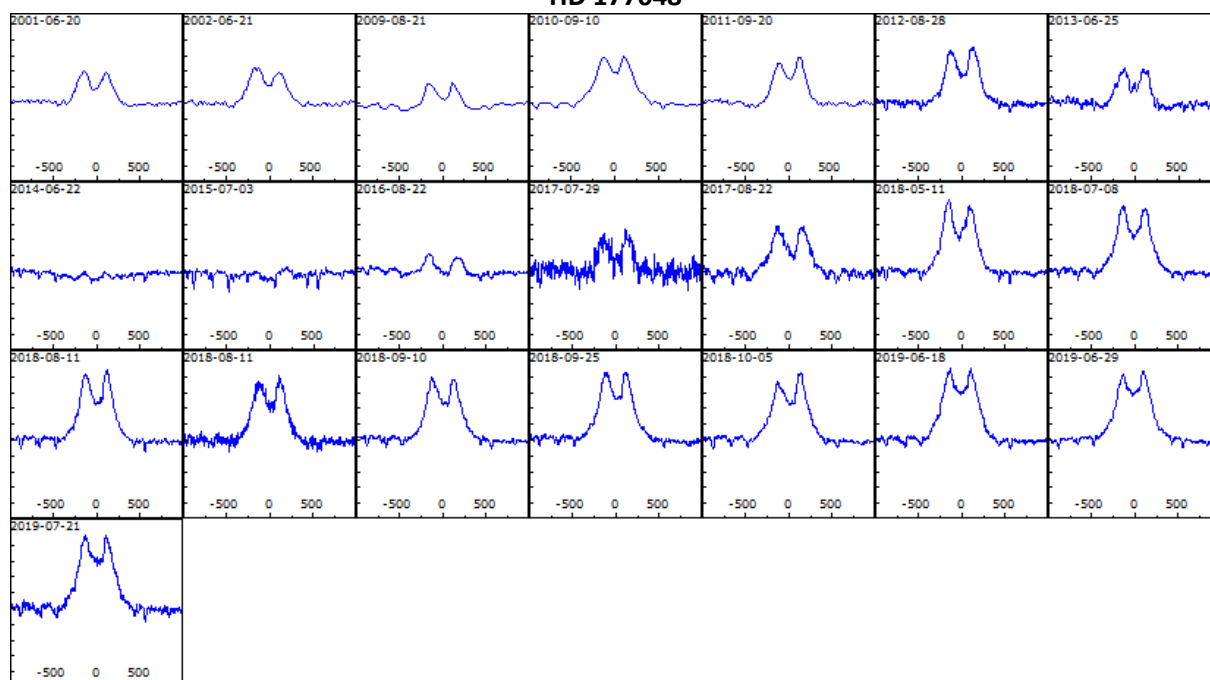
QR Vul – 6mo



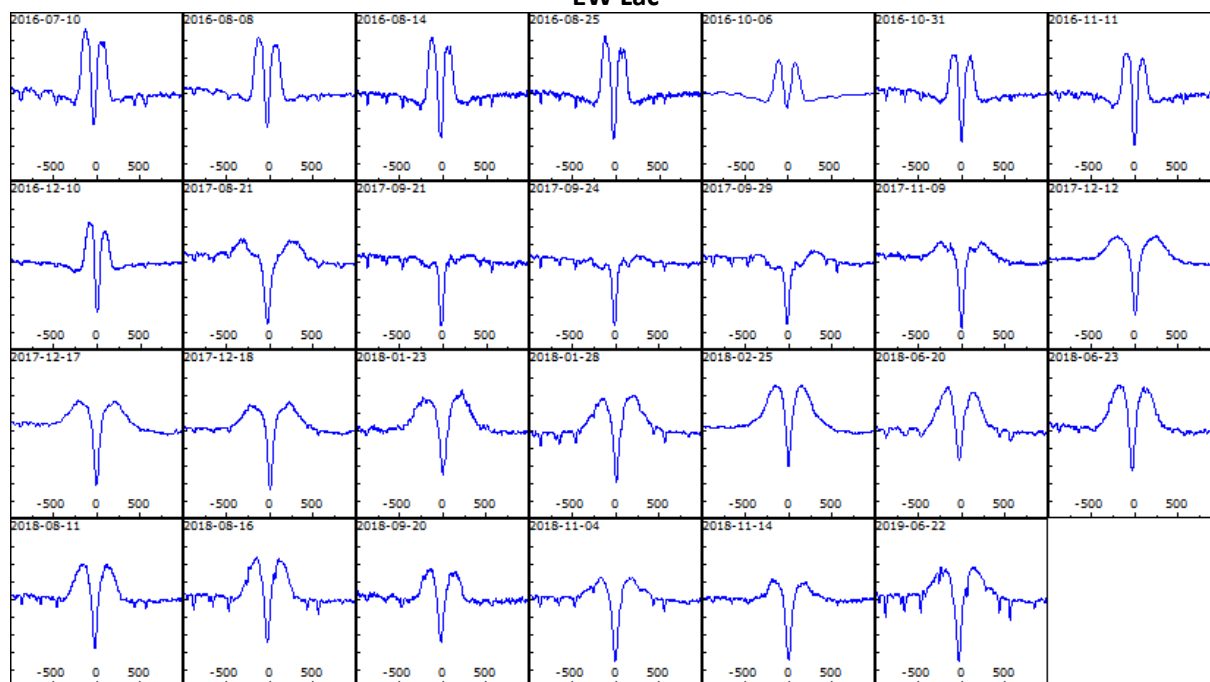
14 Lac



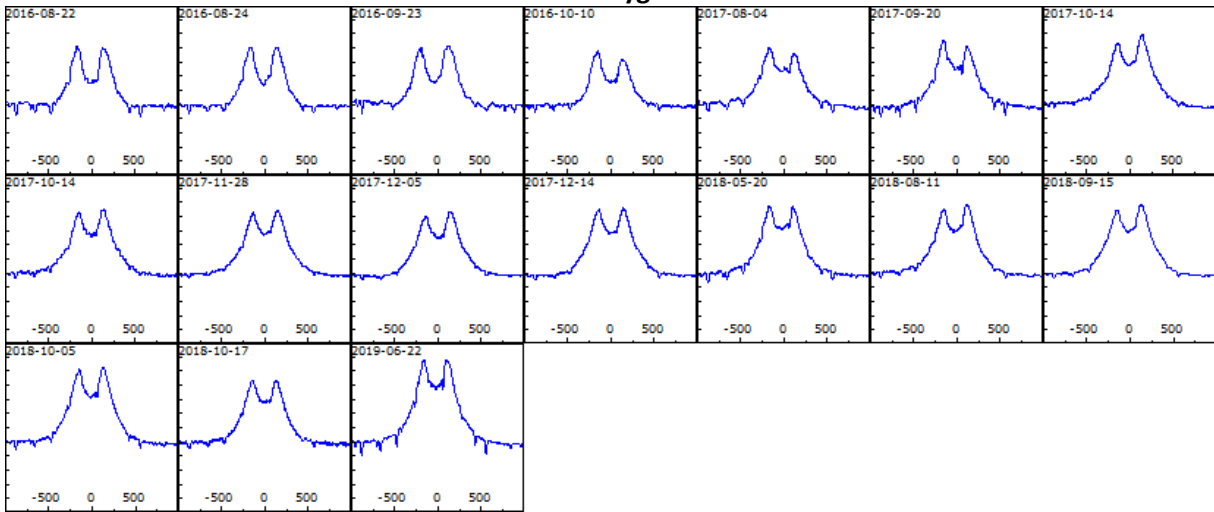
HD 177648



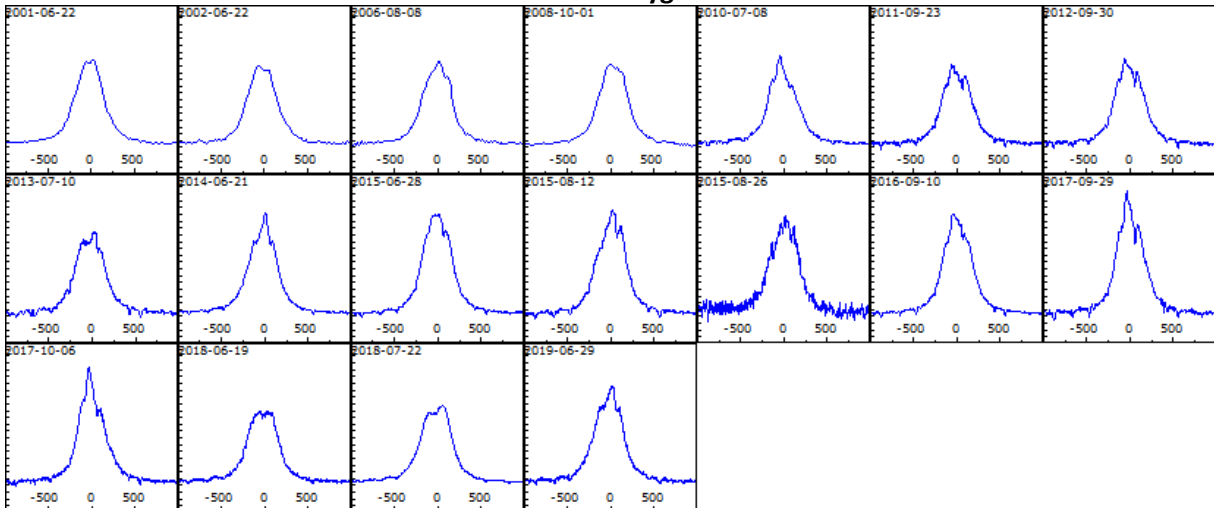
EW Lac



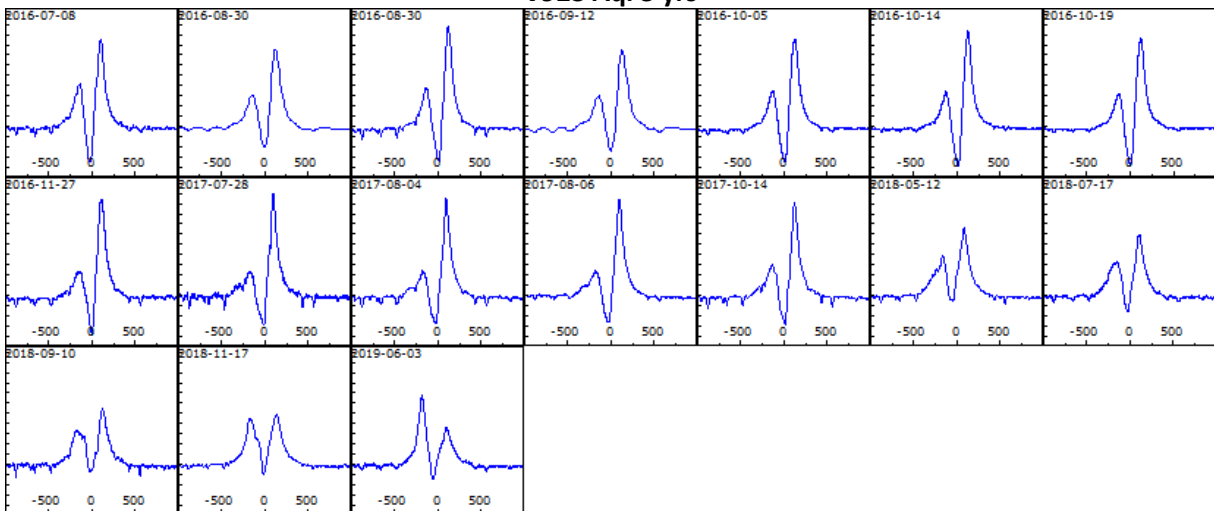
60 Cyg



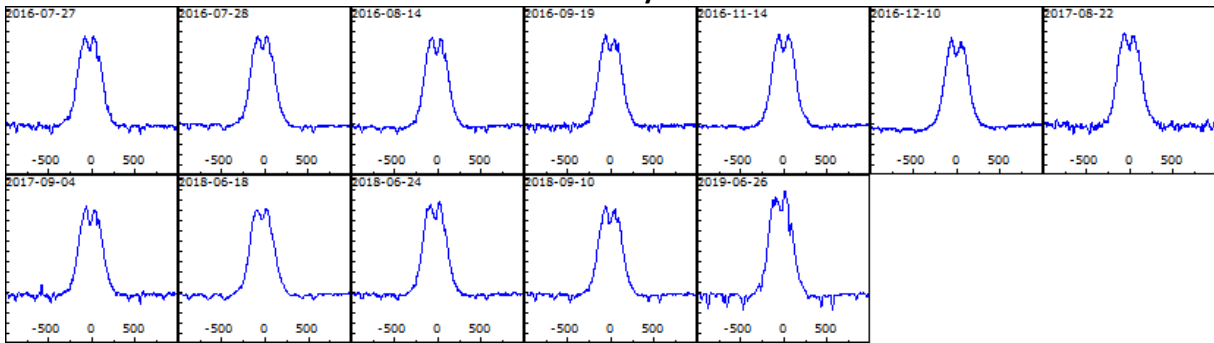
V2113 Cyg



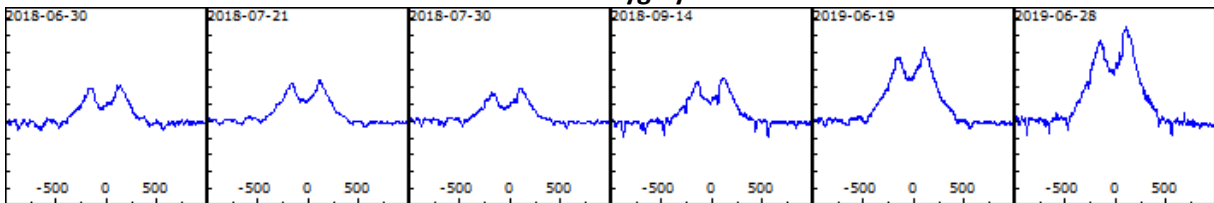
V923 Aql 3 yrs



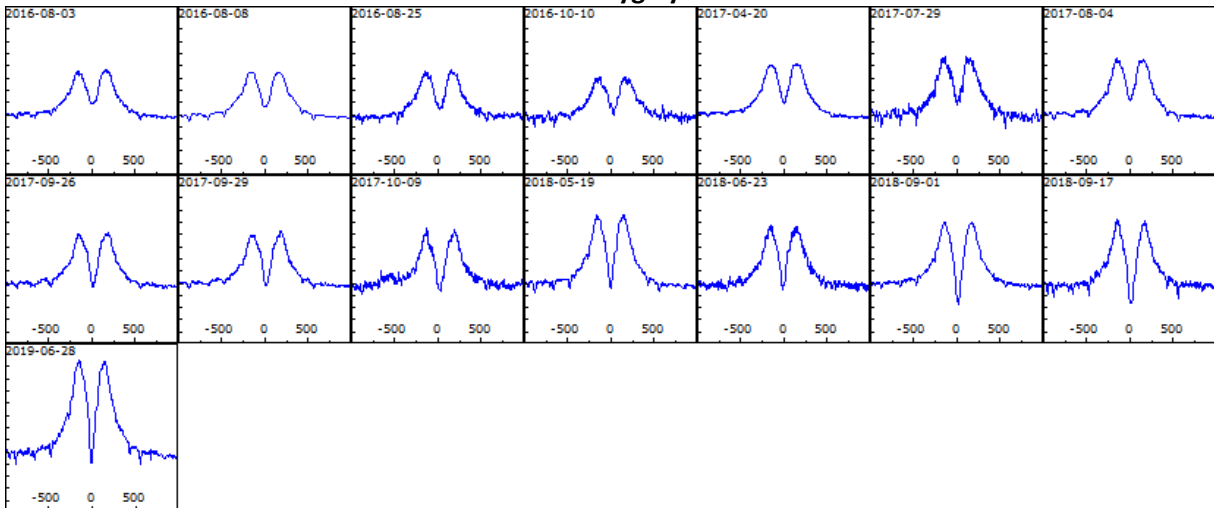
20 Vul 3yrs



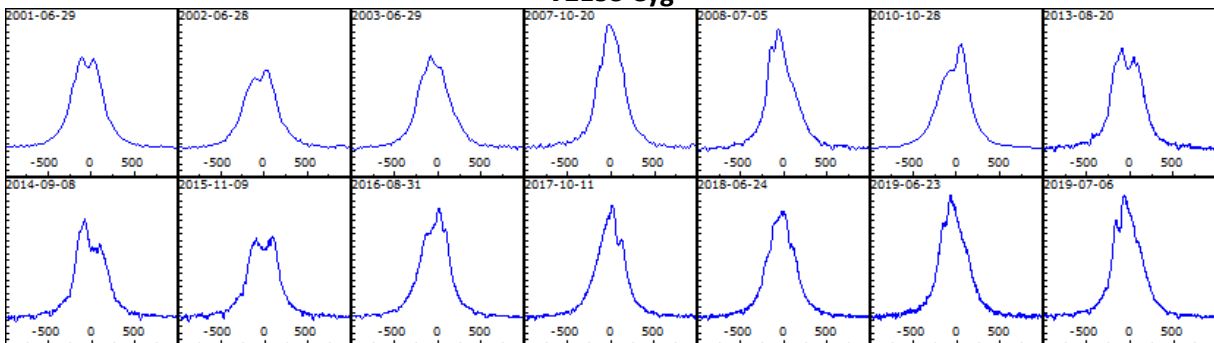
V2136 Cyg 1yr



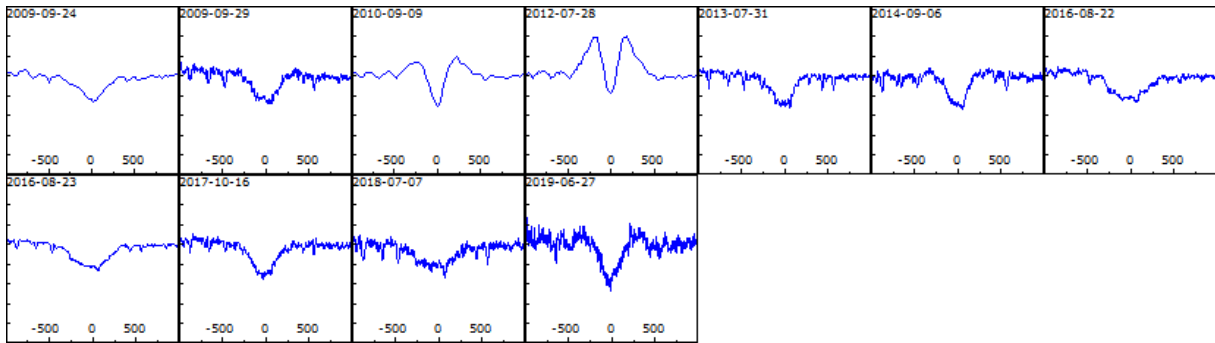
V2148 Cyg 3yrs



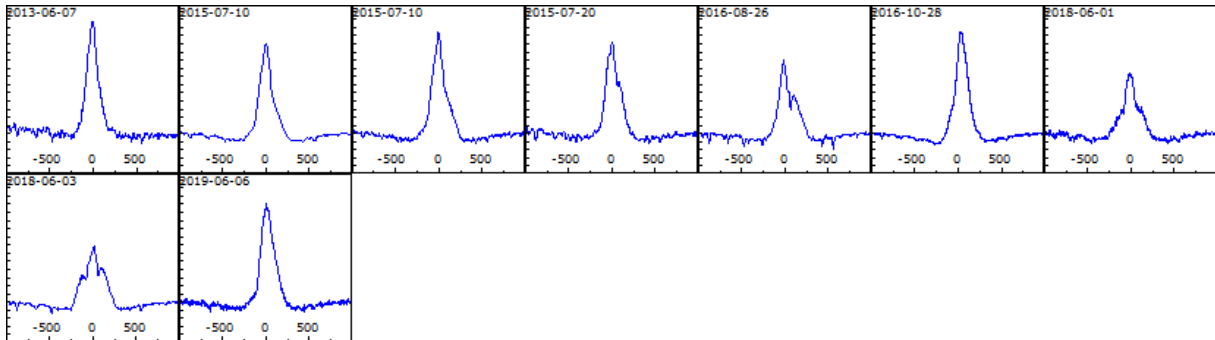
V2153 Cyg



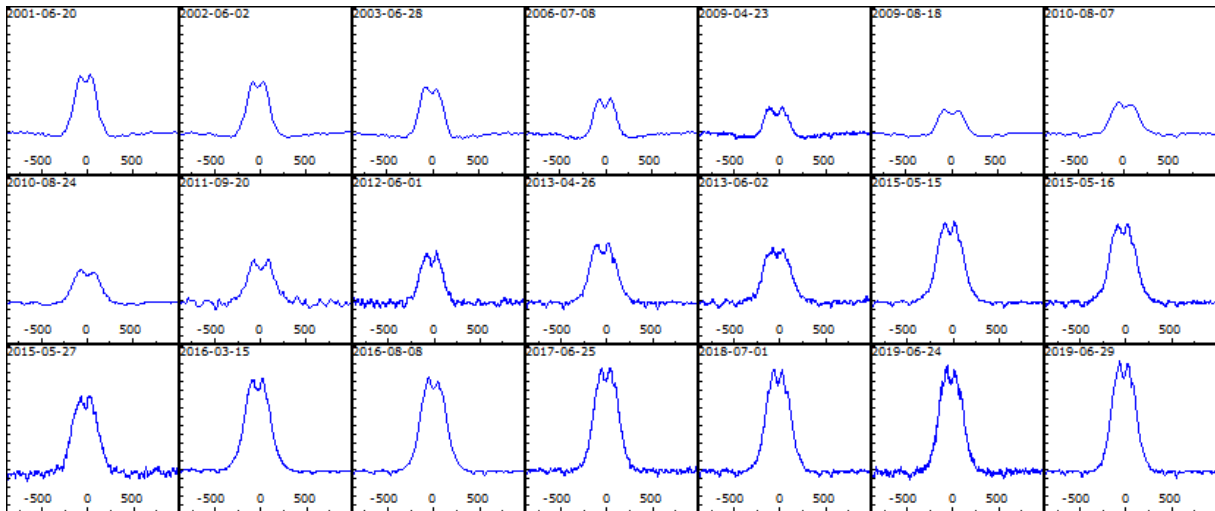
V396 Vul



HD 179218

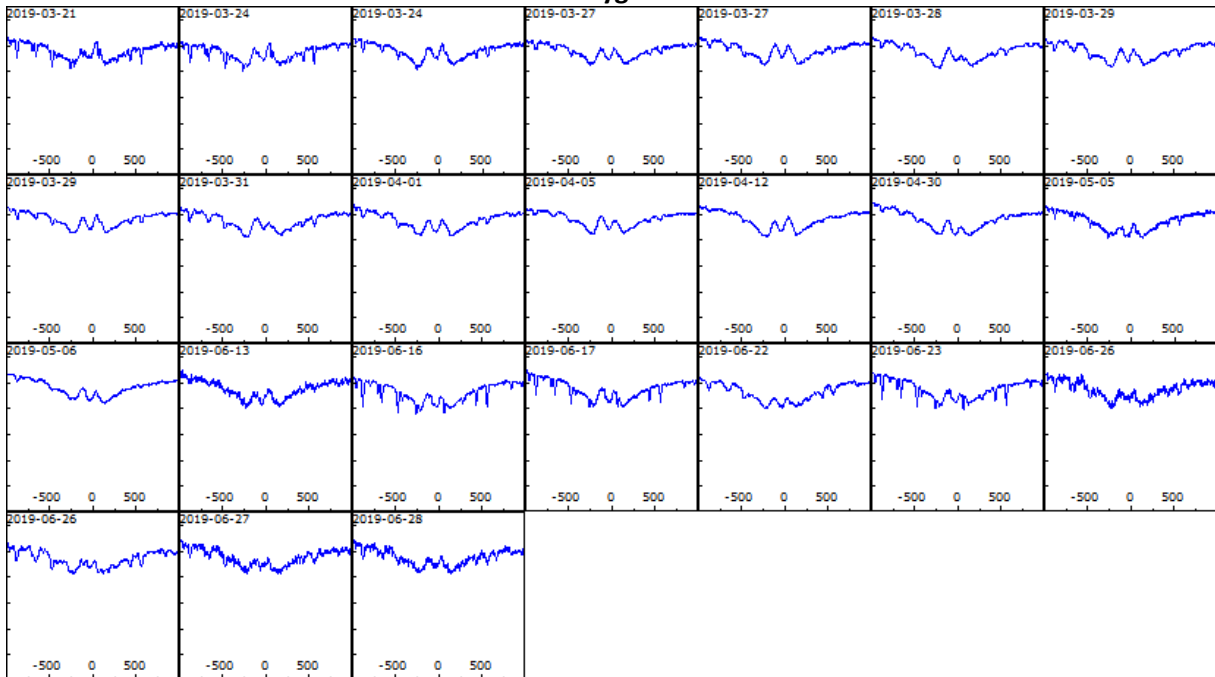


HD 174105

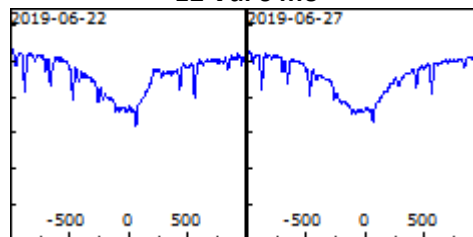


Moderate evolution of H-alpha line

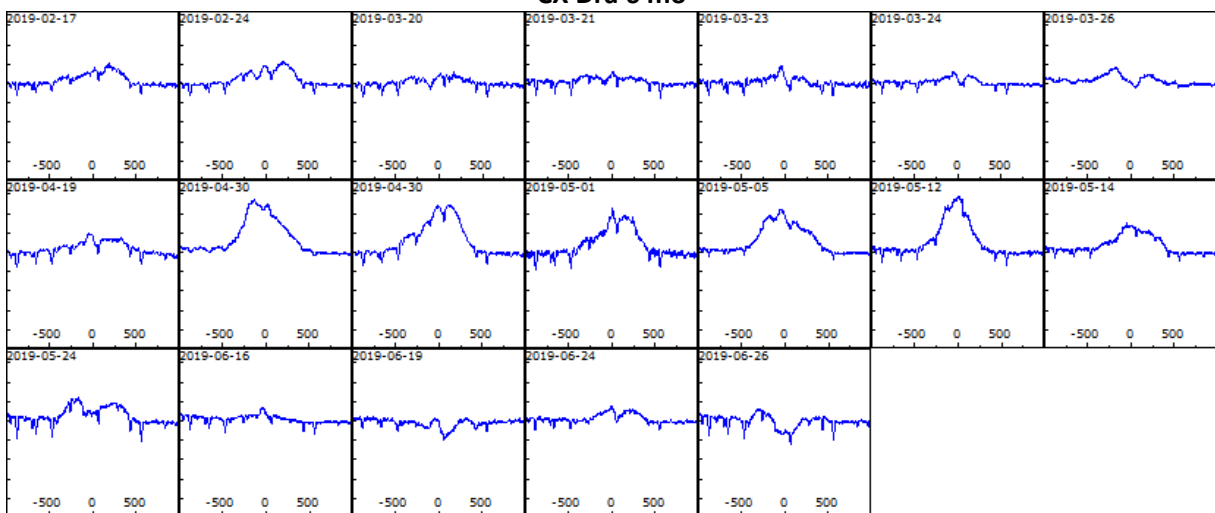
Iam Cyg 6mo



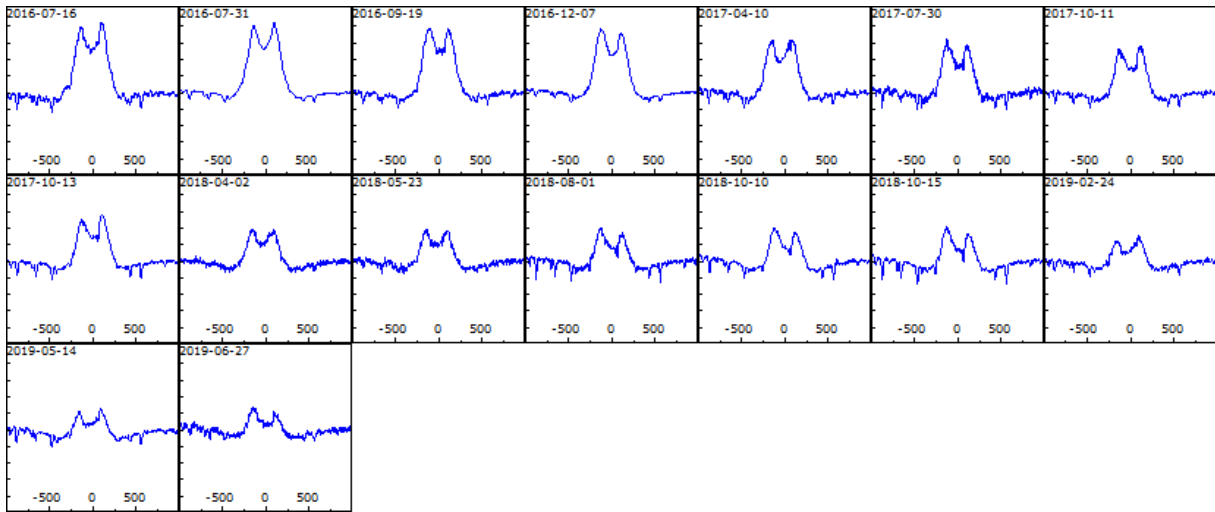
12 Vul 6 mo



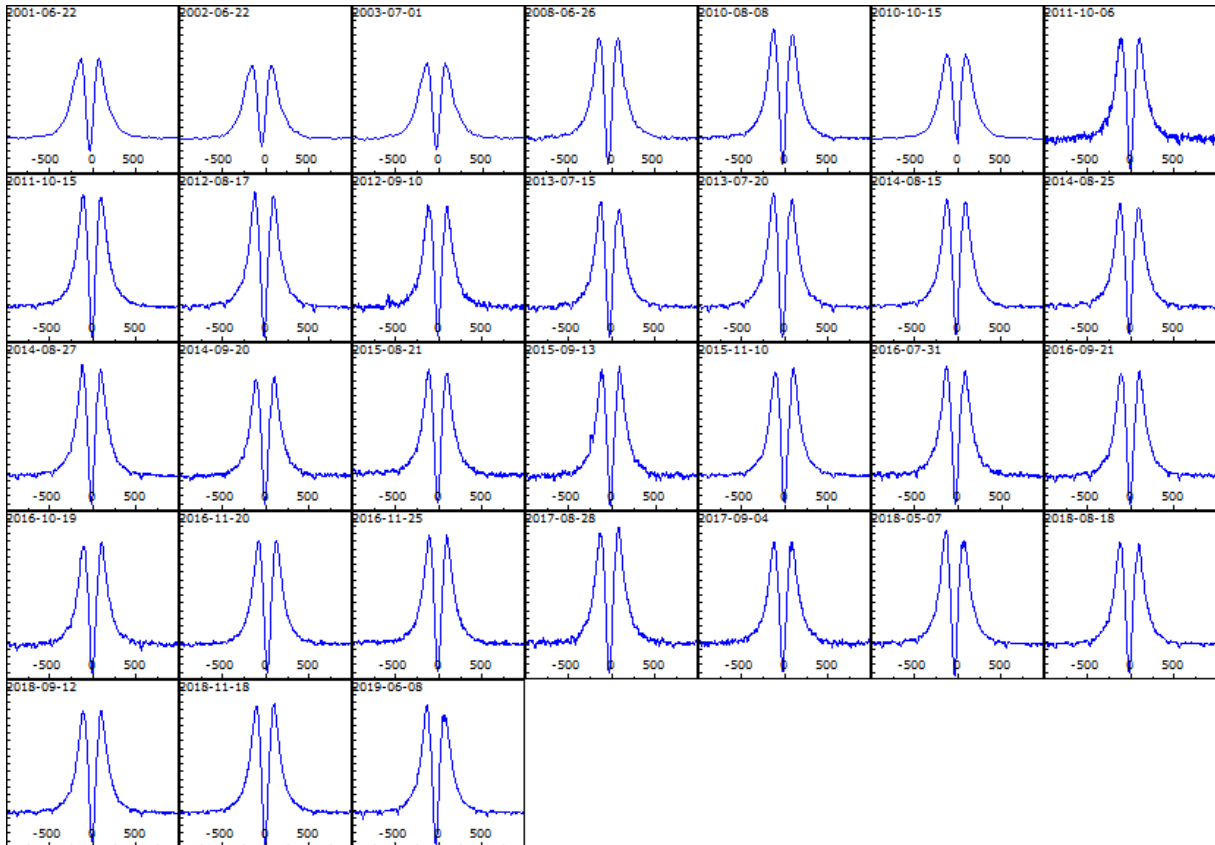
CX Dra 6 mo



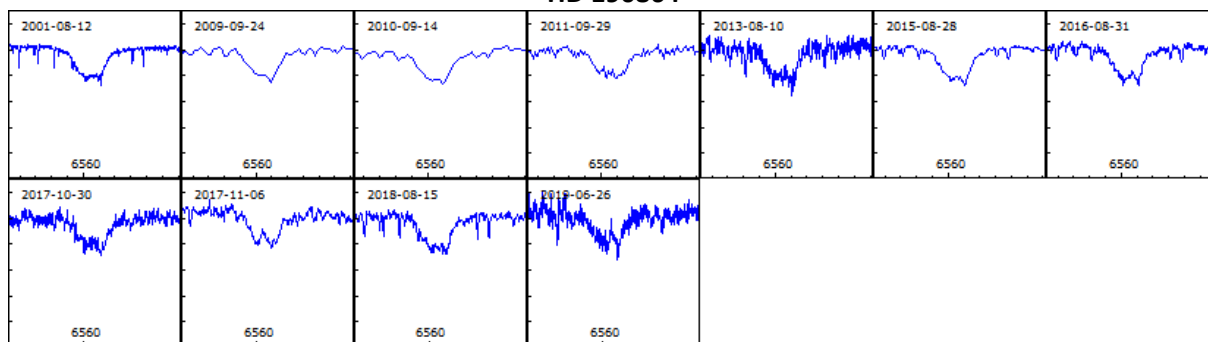
HD 171780



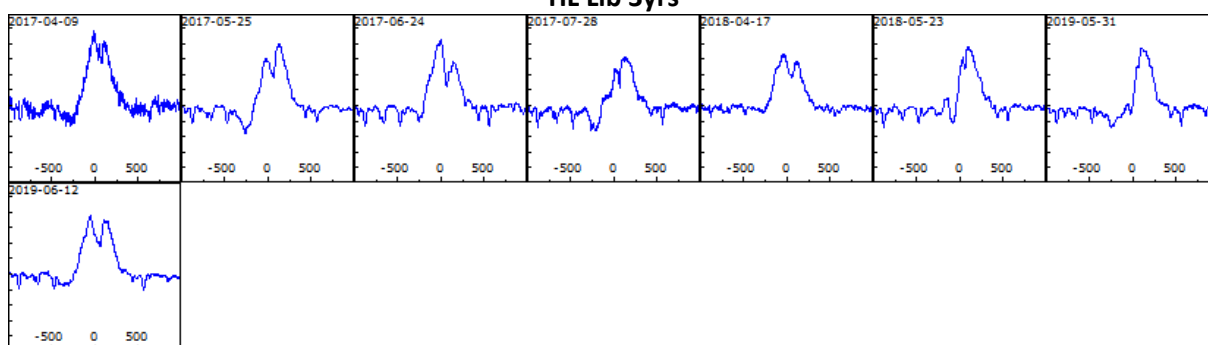
HD 193182



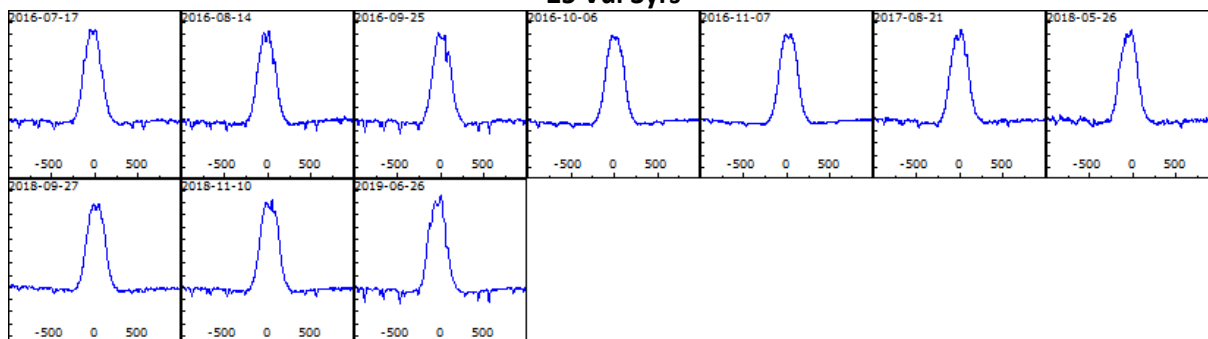
HD 190864



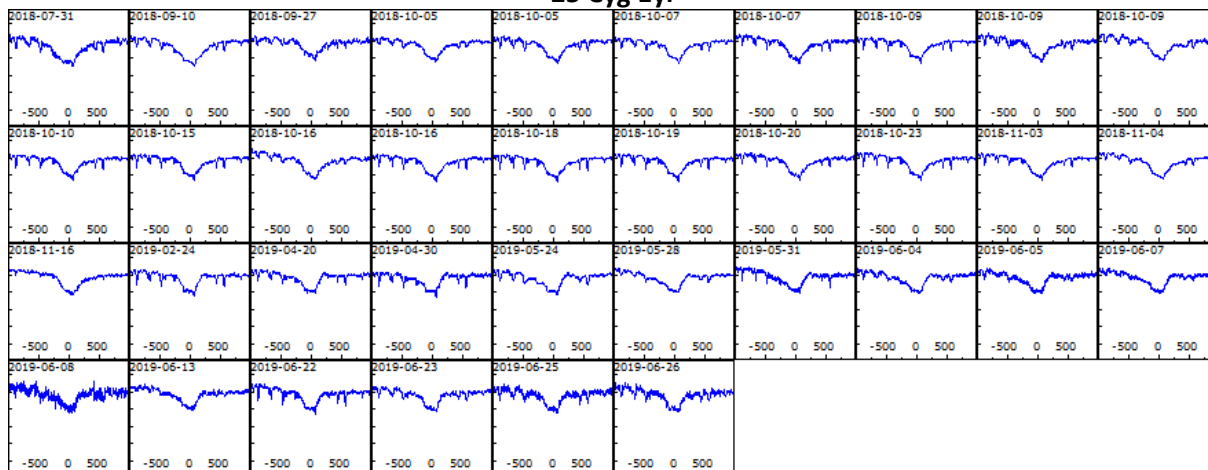
HL Lib 3yrs



25 Vul 3yrs

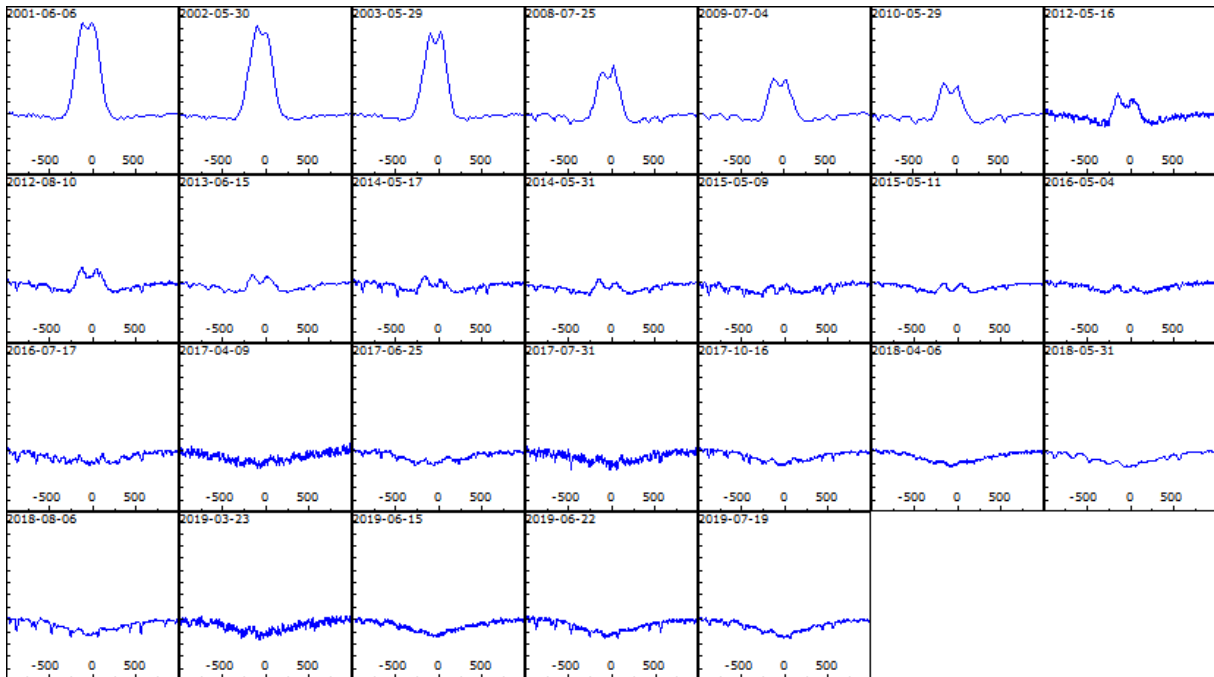


25 Cyg 1yr

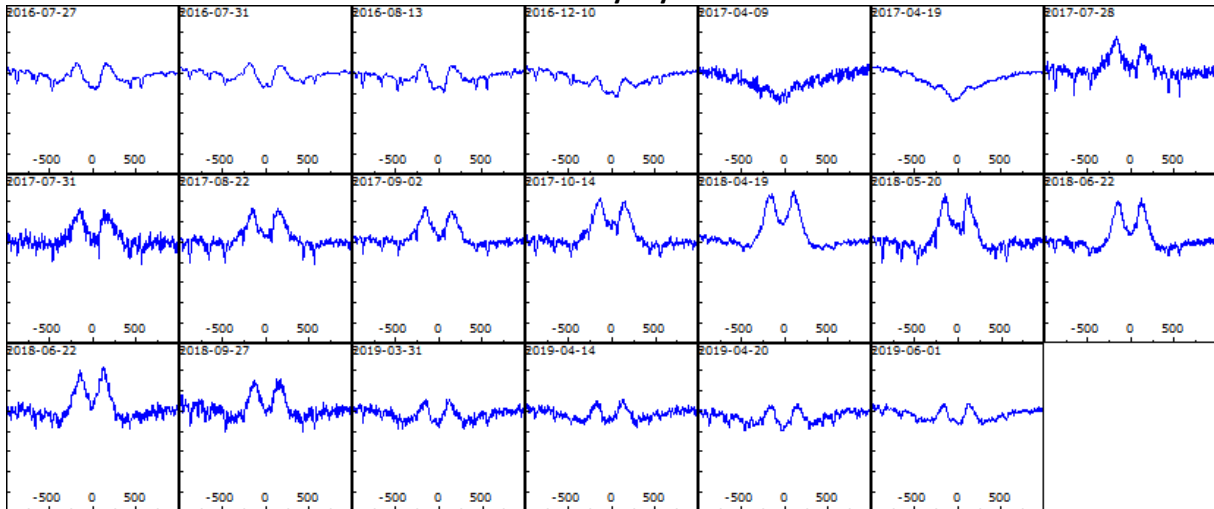


Emission decrease of H-alpha line

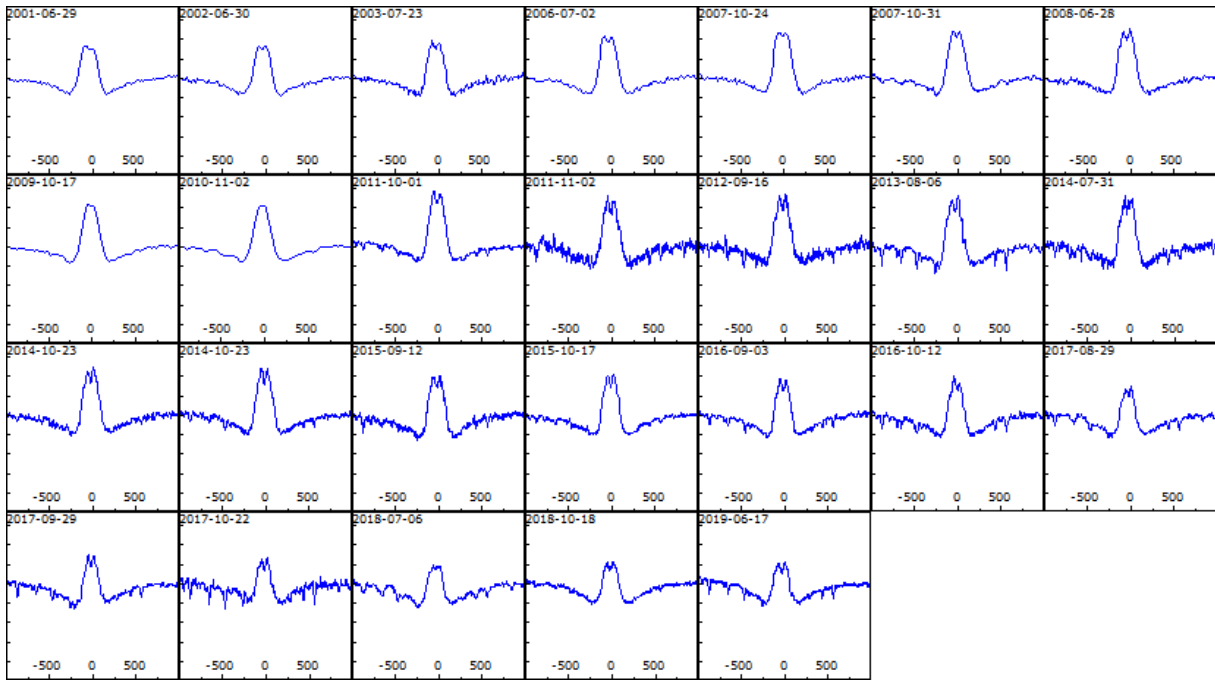
V974 Her



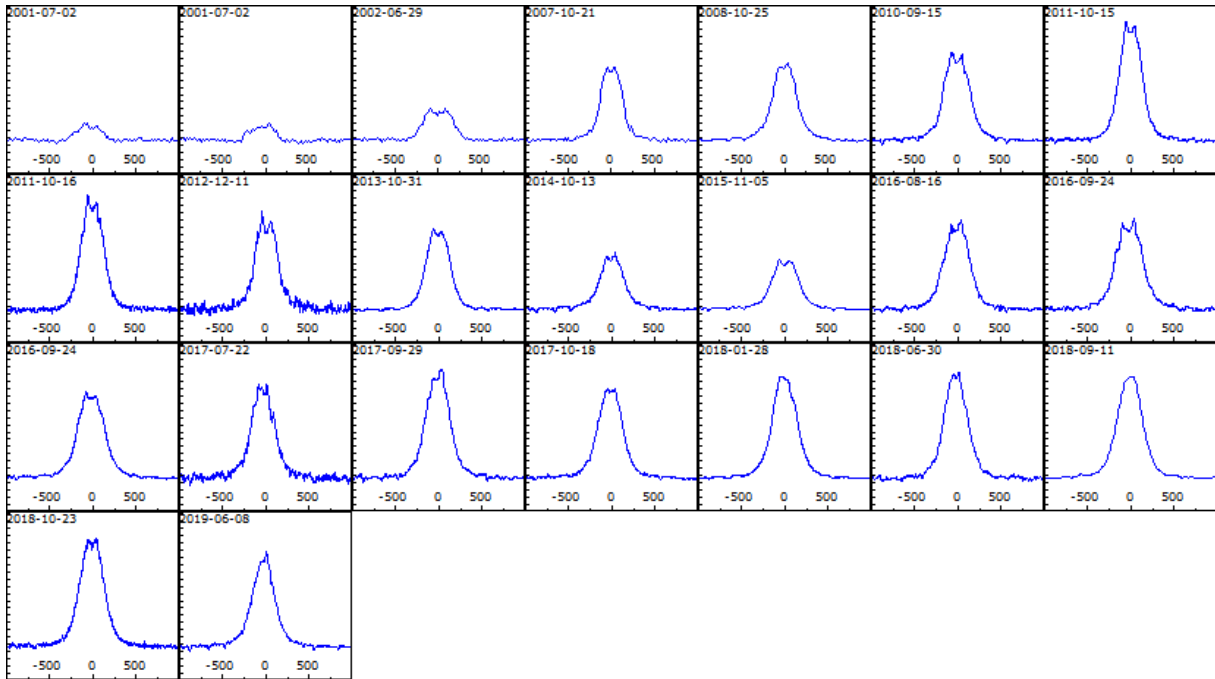
V532 Lyr 3yrs



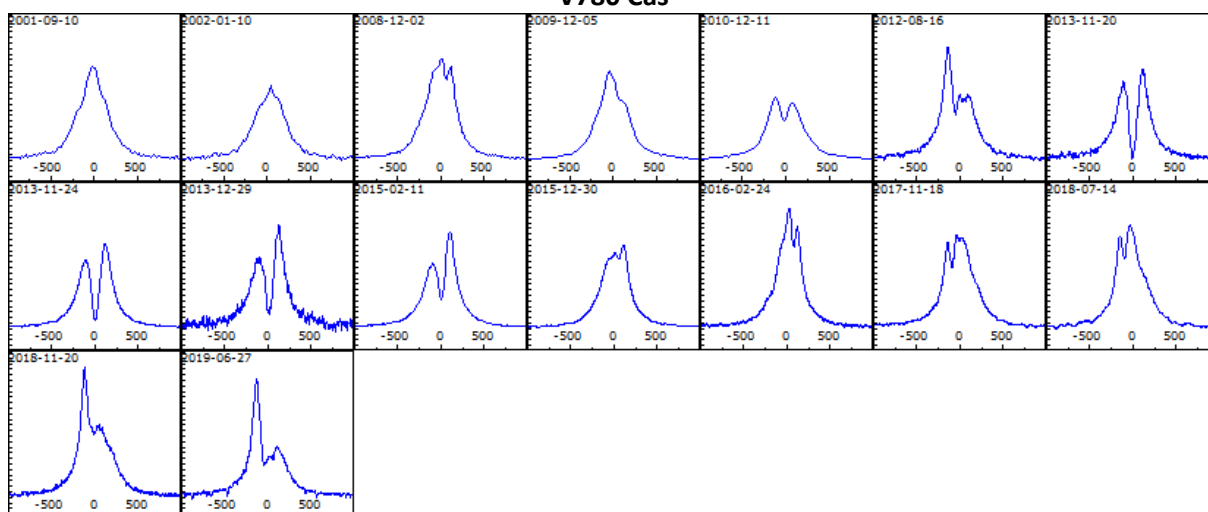
HD 205551



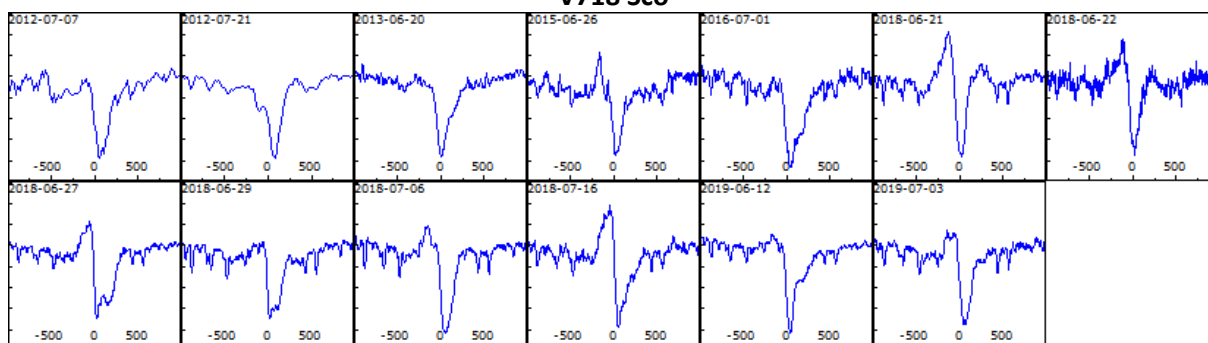
V357 Lac



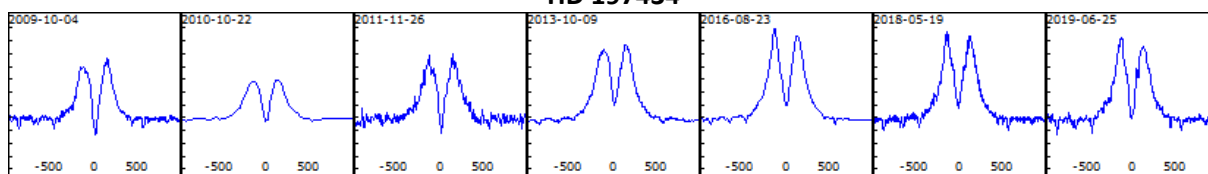
V780 Cas



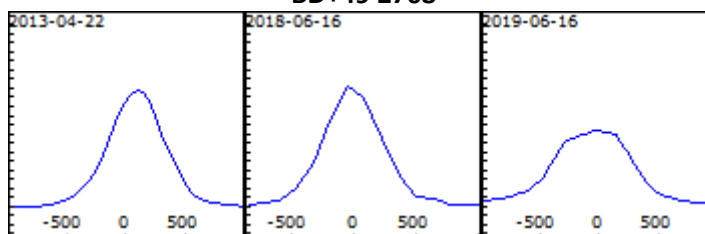
V718 Sco



HD 197434



BD+49 2768



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/>