

BeSS report – July 2019

Data compiled by Valérie Desnoux – H-alpha monitoring

- 95 stars were observed
- 14 Observers contributed this month
- 184 Spectra

Observers...

Observateur	Nb spec
Thizy	68
Charbonnel	30
bertrand	25
Bryssinck	17
Guarro Fló	11
KREIDER	8
HOUPERT	5
Dull	5
Lecocq	4
Heathcote	4
Boureille	3
Sollecchia	2
Leadbeater	1
Bohlsen	1
Total général	184

Events of the month...

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

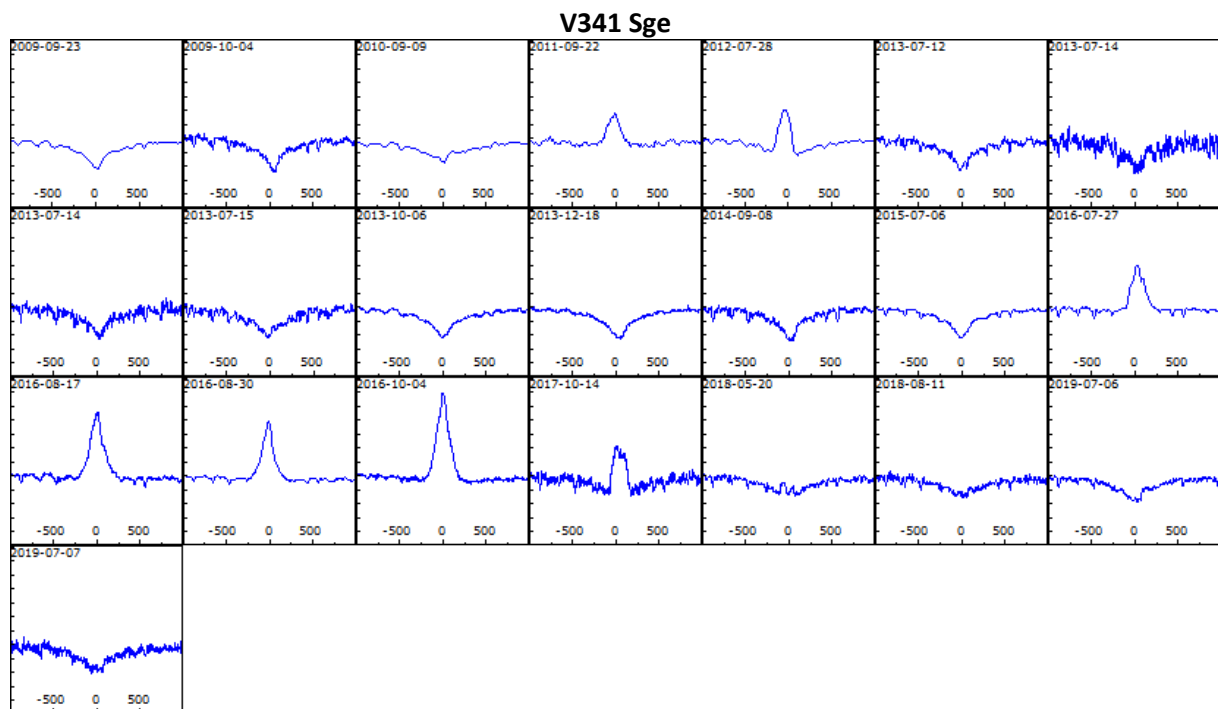
EE	ME	DE
V341 Sge	lam cyg	HD 224544
HD 162428	V1339 Aql	V378 And
V495 Cen	V2103 Cyg	HD 195407
HD 194057	V2139 Cyg	HD 199218
V777 Cas	V396 Vul	V594 Cas
NT Peg	V439 Cep	V2162 Cyg
V718 Sco	V1448 Aql	EM Cep
V1295 Aql	V750 Ara	HD 205060
V361 Cep	phi And	6 Cep
14 Lac	CX Dra	V2135 Cyg
omi Cas		V1466 Aql
		V2144 Cyg
		V1427 Cyg
		V2307 Oph
		V767 Cen
		BD+14 3887
		BD+47 3148
		QR Vul
		HD 206773
		31 Peg

Objects observed

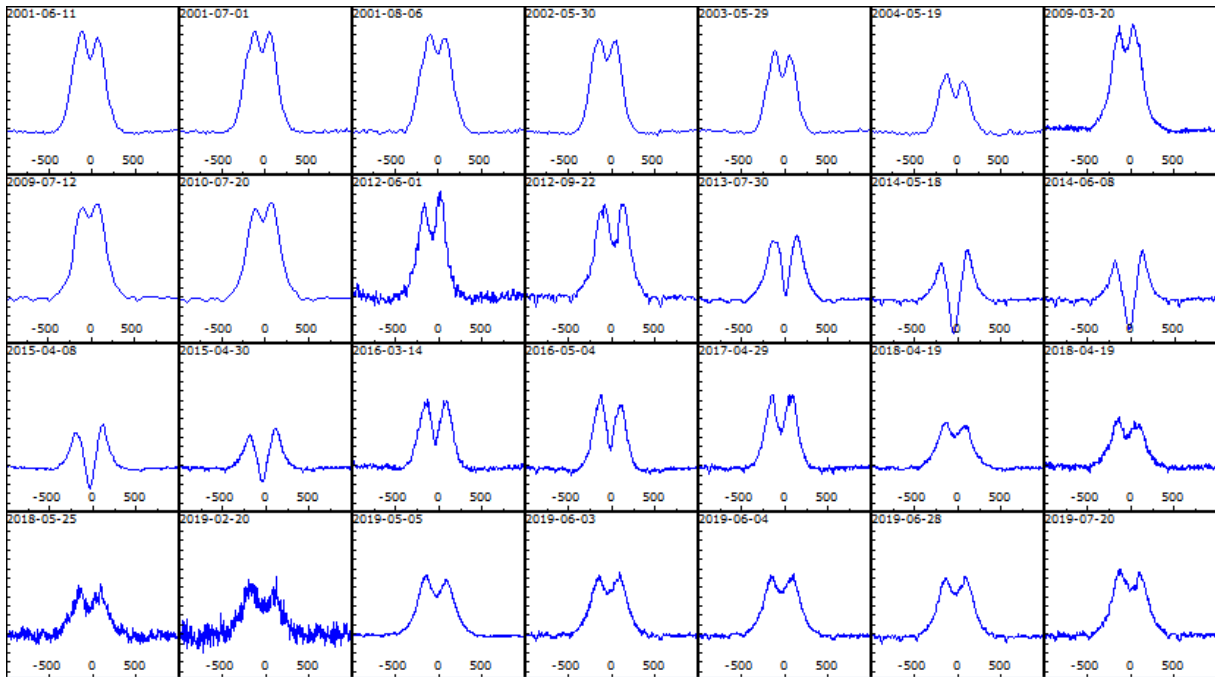
Classique					?	B[e]	herbig
lam Cyg	ALFIRK	tet CrB		V2139 Cyg	BD+41 3731	V594 Cas	V718 Sco
V442 And	omi Cas	kap Dra	HD 224544	NT Peg		BD+14 3887	V1295 Aql
omi And	del Sco	66 Oph	V378 And	V2153 Cyg		EM* MWC 342	V361 Cep
phi And	V974 Her	48 Lib	V2103 Cyg	HD 199218		EM* MWC 349	V2307 Oph
28 Cyg	HD 171780	omi Her	HD 194244	V396 Vul		MWC 1080	
QR Vul	HD 174179	V532 Lyr	nu Cyg	V2162 Cyg			
gam Cas	NW Ser	4 Her	25 Peg	EM Cep			
CX Dra	V558 Lyr	zet Oph	HD 195407	HD 205060			
pi Aqr	eps Cas	HD 162428	25 Cyg	6 Cep			
ups Cyg	HD 192445	HD 168957	16 Peg	V439 Cep			
HD 206773	V341 Sge	V495 Cen	HD 181409	HD 147196			
14 Lac	8 Lac A	iot Lyr	tet Ari	HD 175863			
31 Peg	LZ Del	64 Ser	V777 Cas	V718 Sco			

SHELIAC	V529 Cas	HD 194057	bet Psc	V2135 Cyg
HD 177648	BD+46 2948	V1339 Aql	omi Aqr	V1295 Aql
V1466 Aql	V1427 Cyg	HD 203356	HD 333226	HD 228104
V1448 Aql	V361 Cep	BZ Cru	V2018 Cyg	V2307 Oph
V750 Ara	BD+62 271	V767 Cen	BD+47 3148	V2144 Cyg

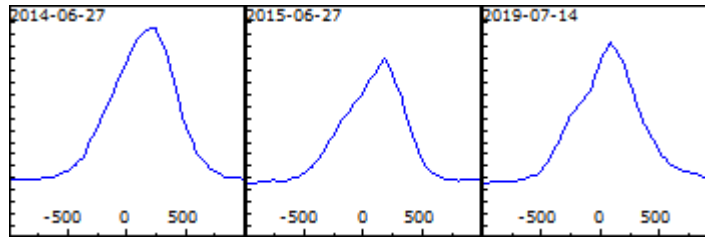
Emission increase since last observations



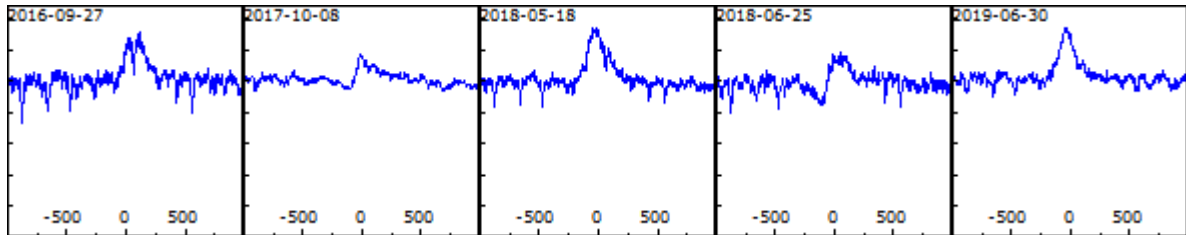
HD 162428



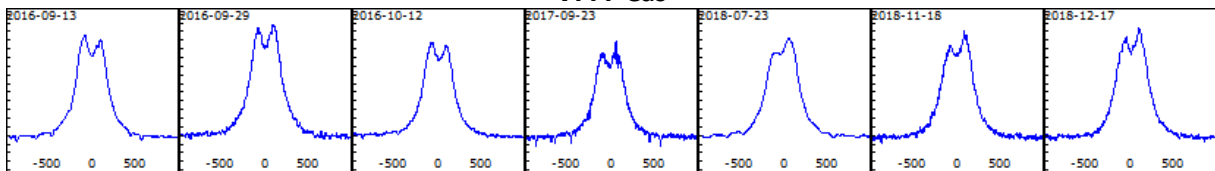
V495 Cen



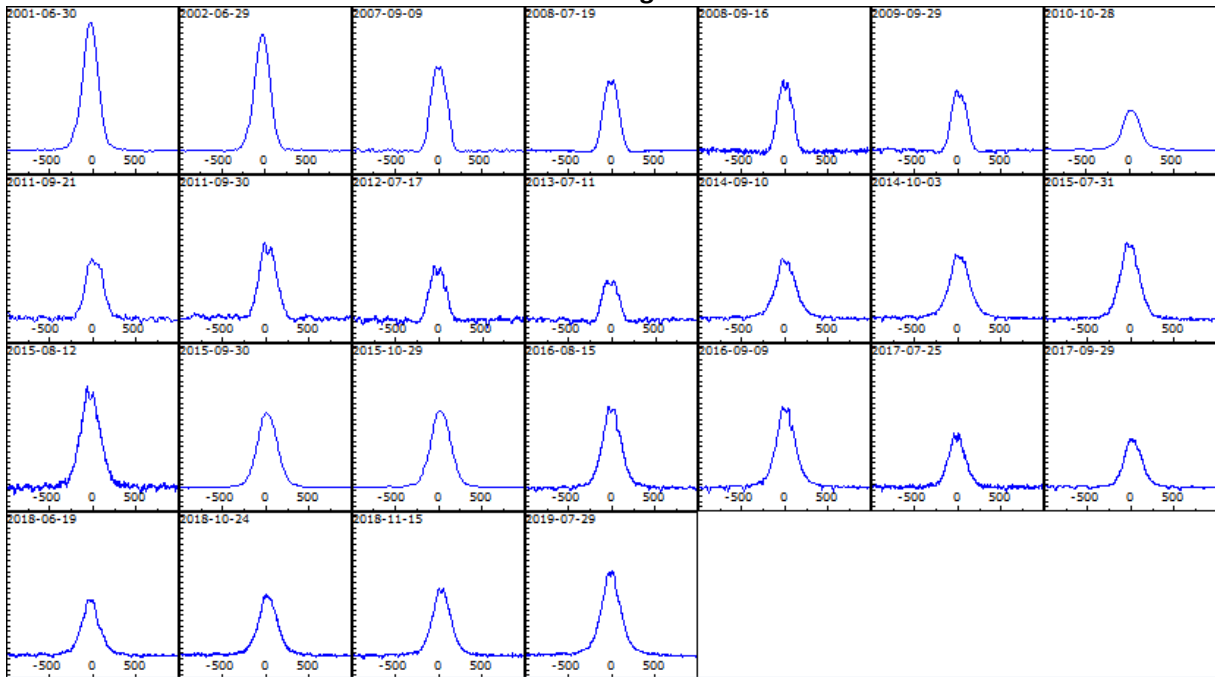
HD 194057



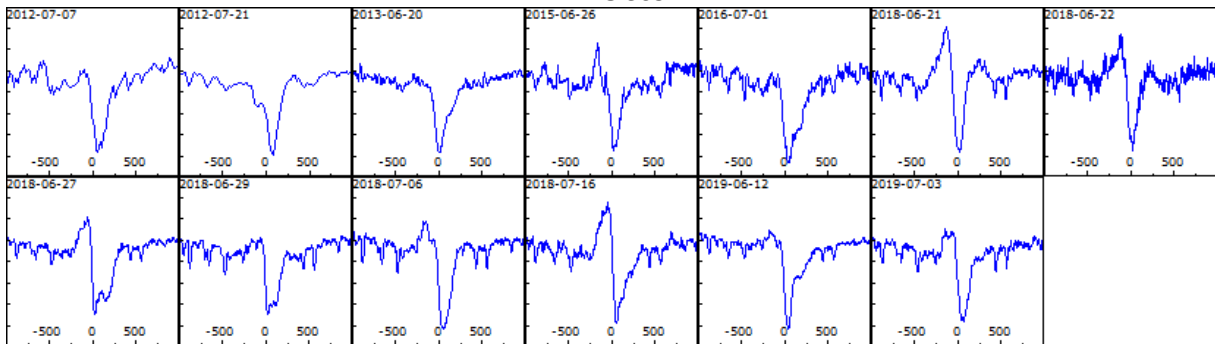
V777 Cas



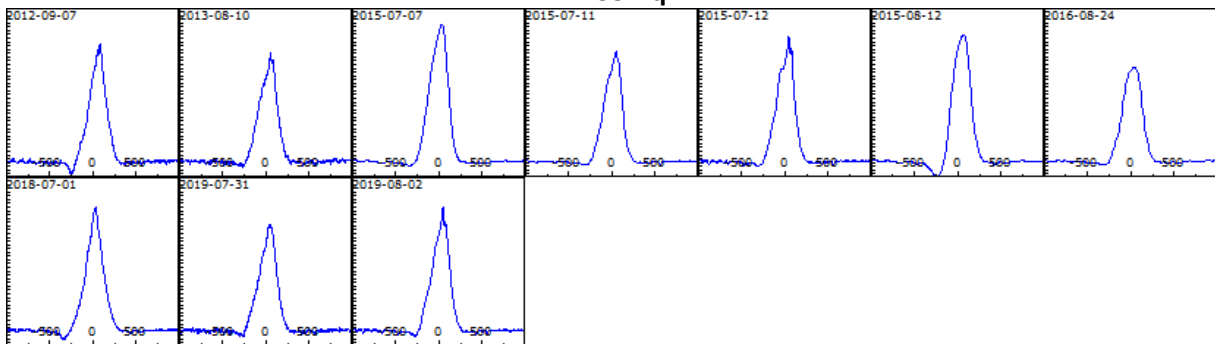
NT Peg



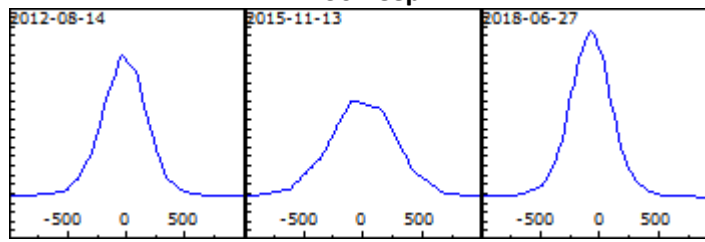
V718 Sco



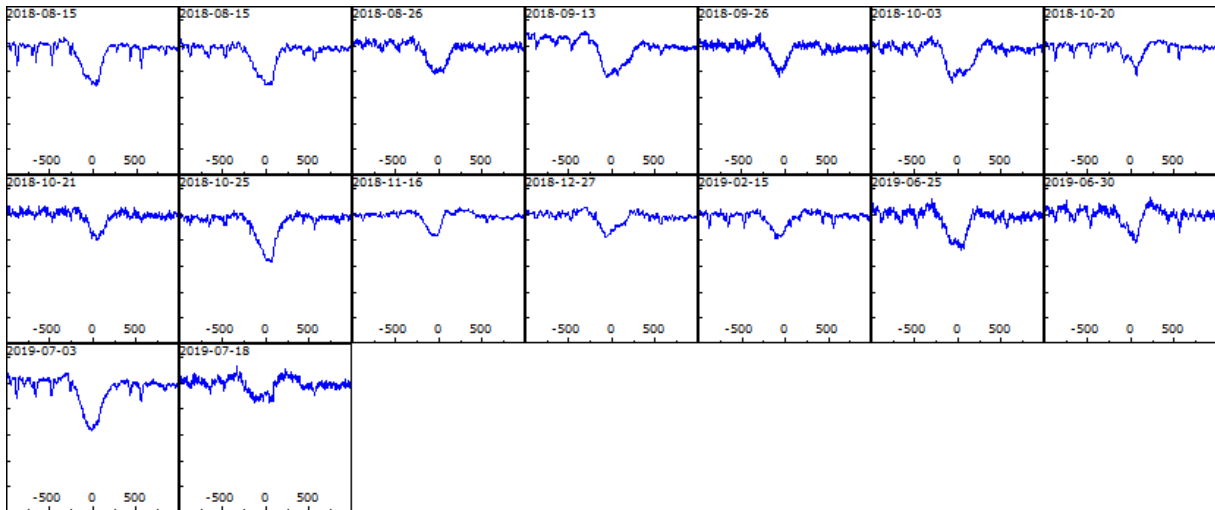
V1295 Aql



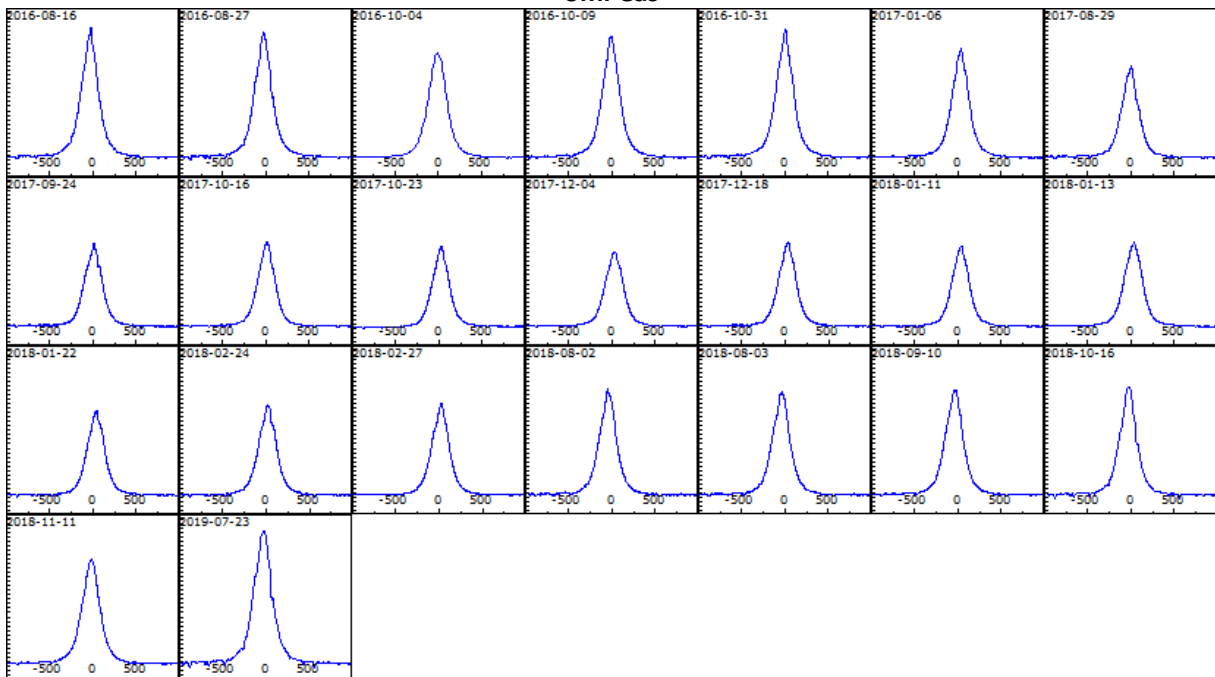
V361 Cep



14 Lac

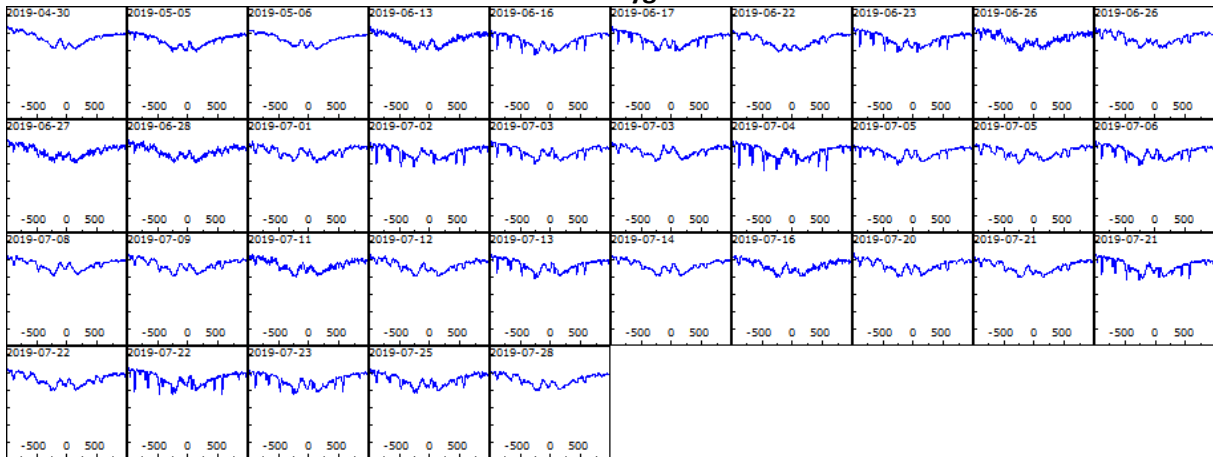


omi Cas

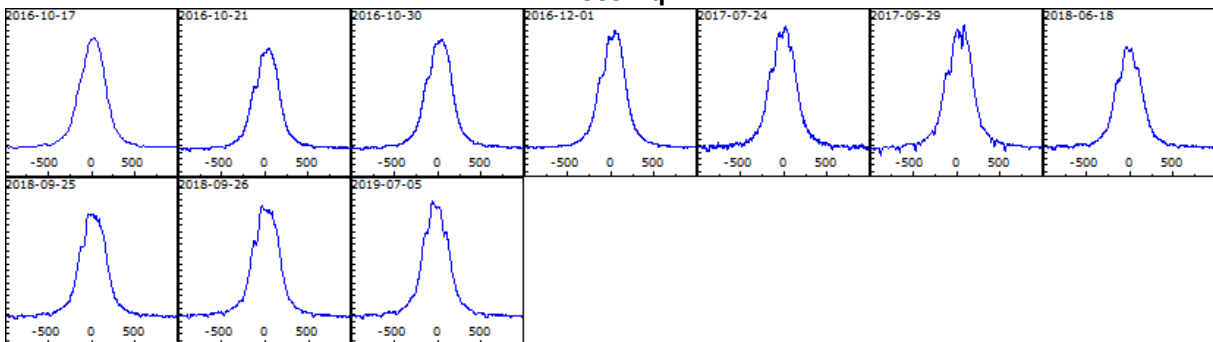


Moderate evolution of H-alpha line

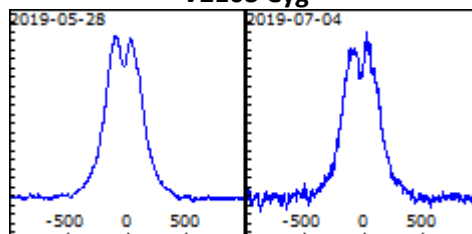
lam cyg



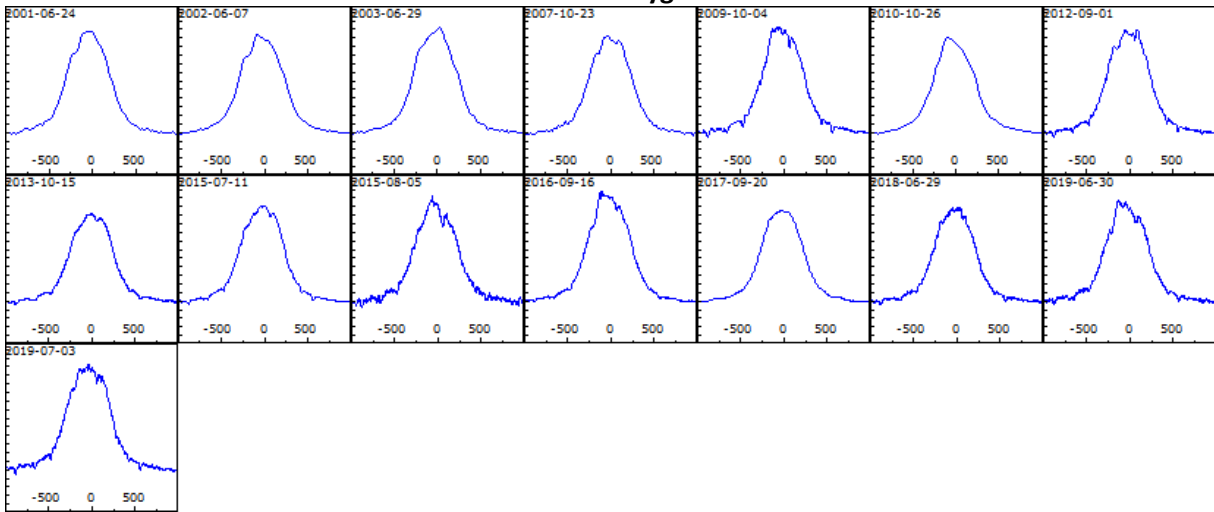
V1339 Aql



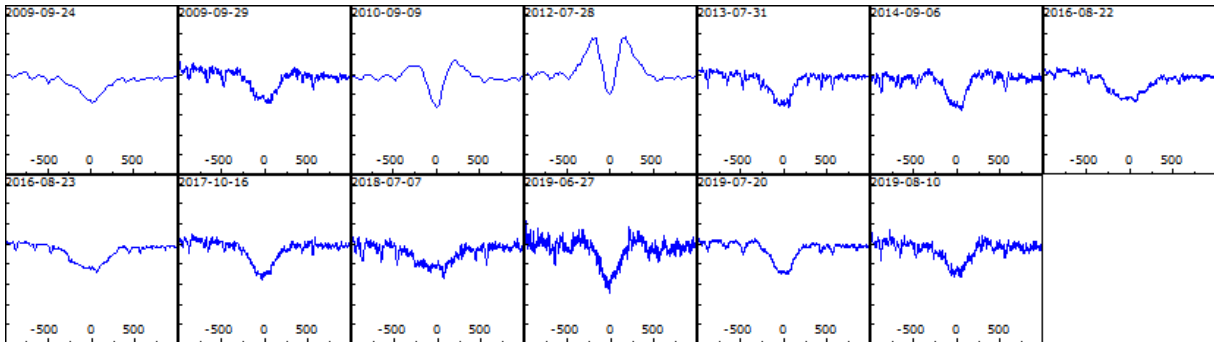
V2103 Cyg



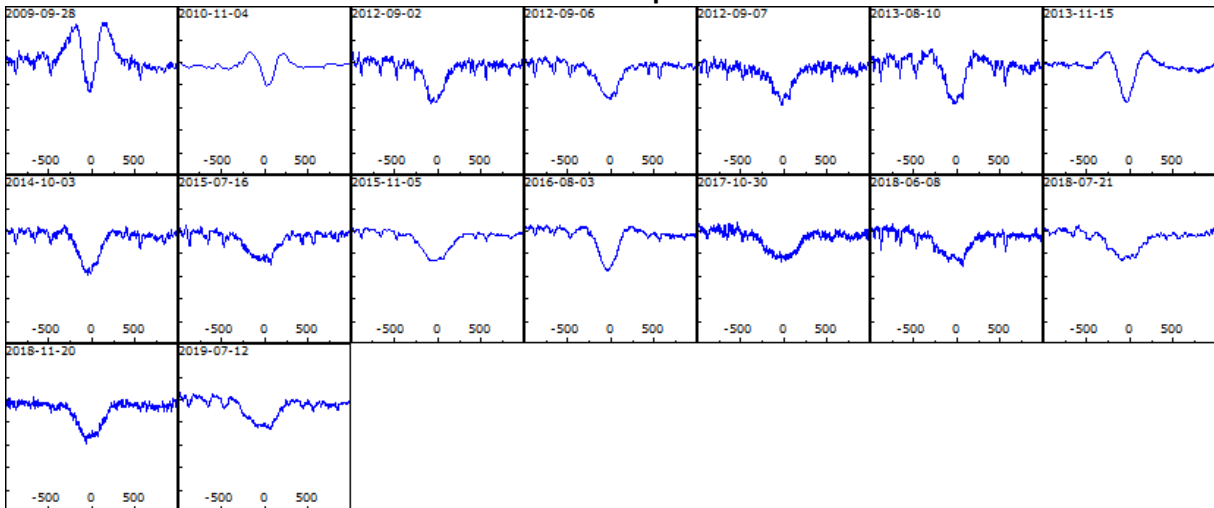
V2139 Cyg



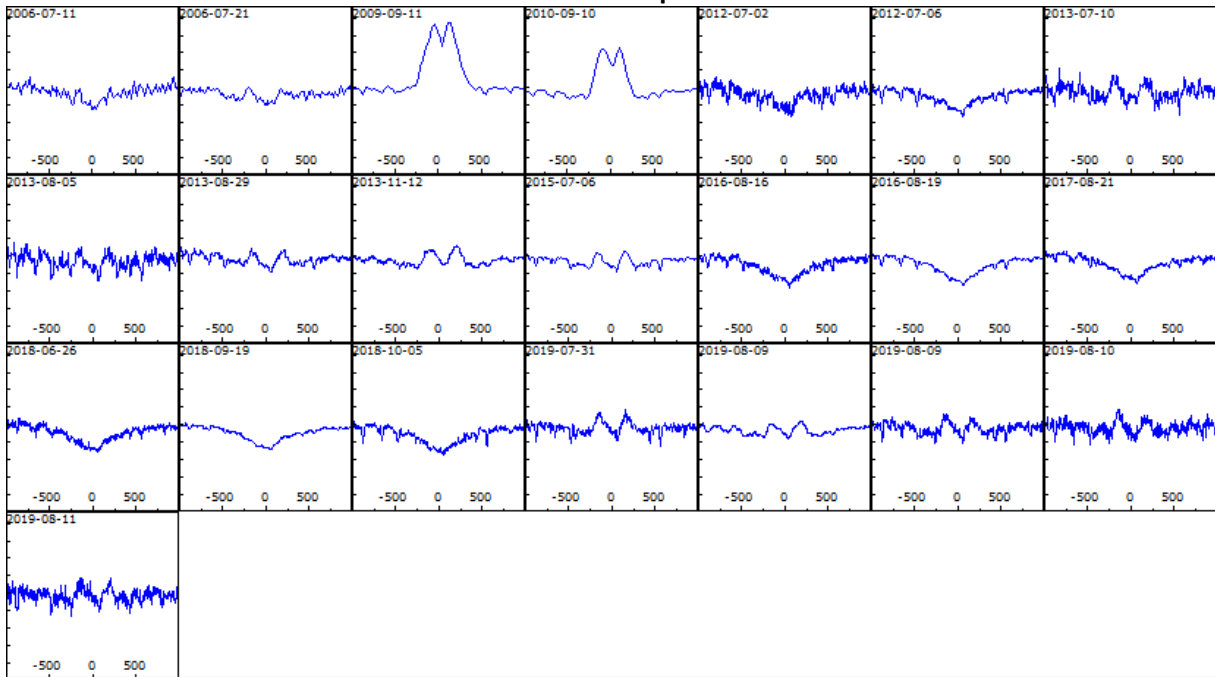
V396 Vul



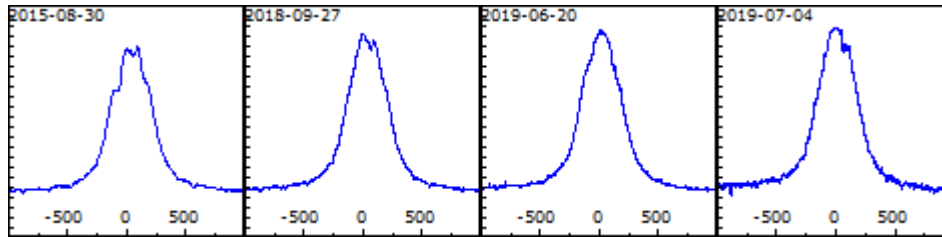
V439 Cep



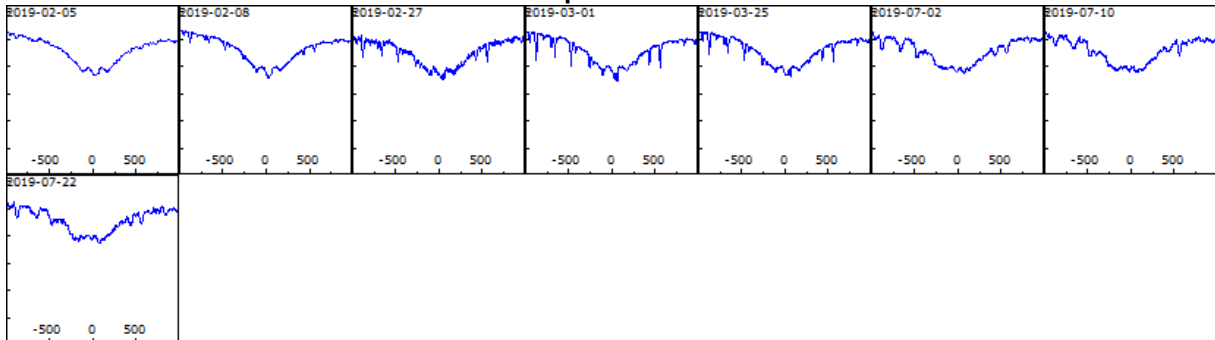
V1448 Aql



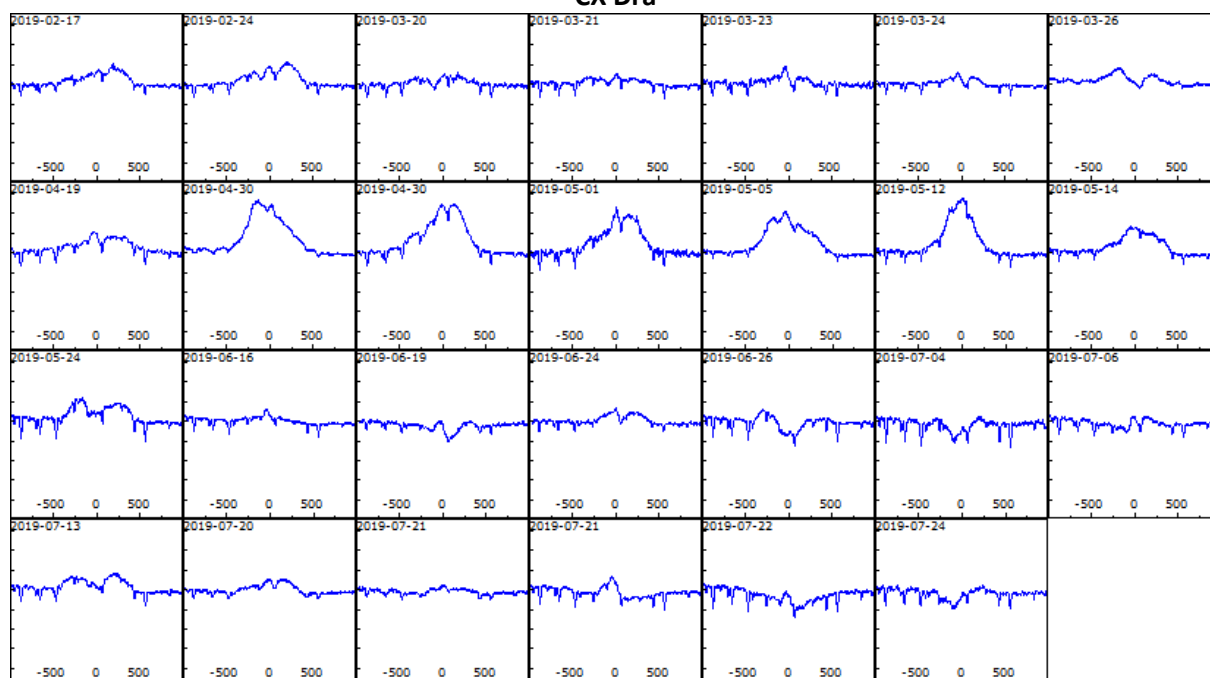
V750 Ara



phi And

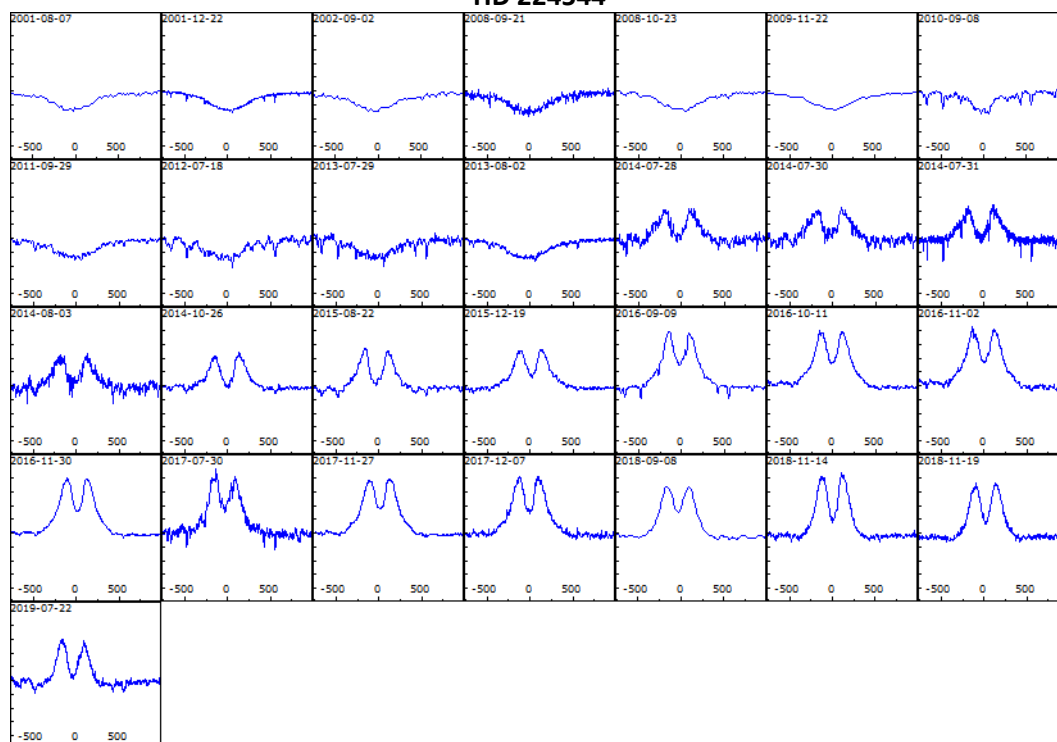


CX Dra

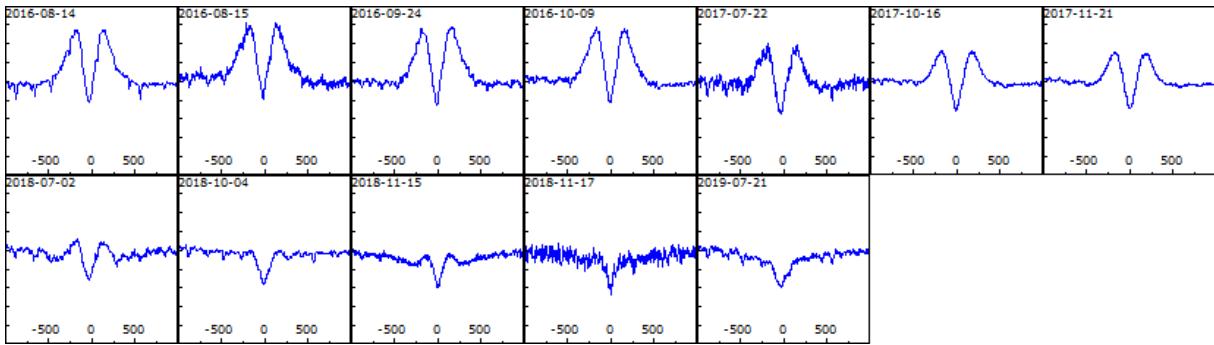


Emission decrease of H-alpha line

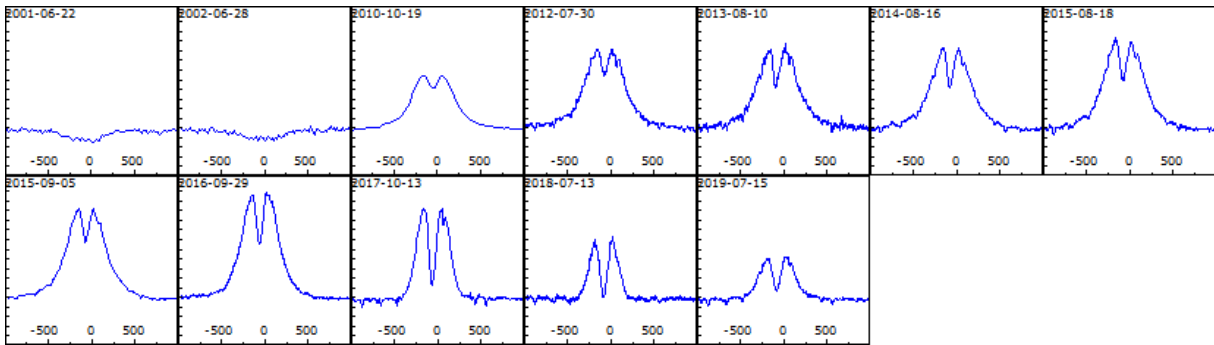
HD 224544



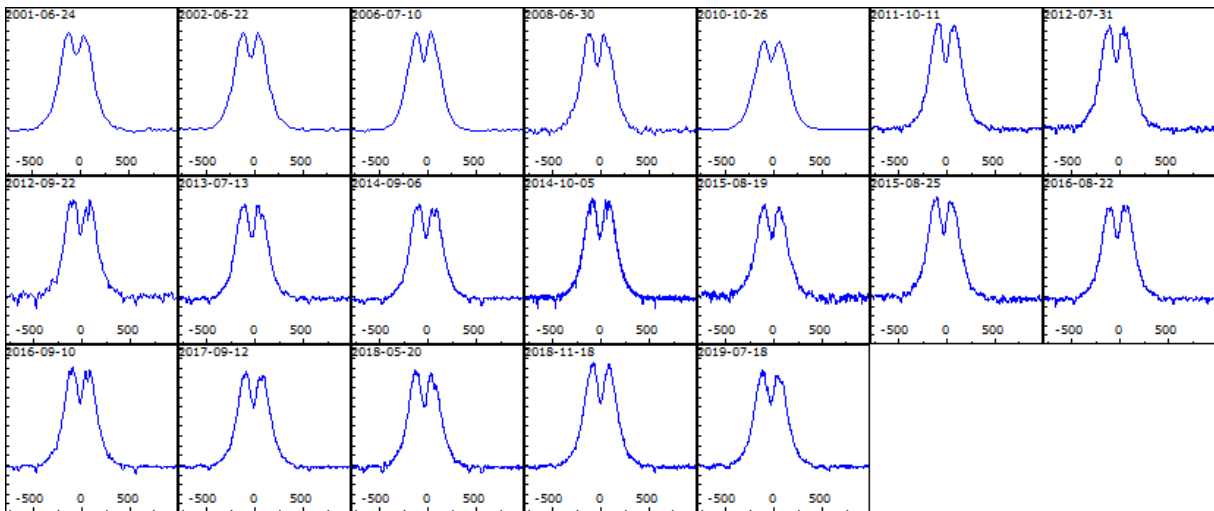
V378 And



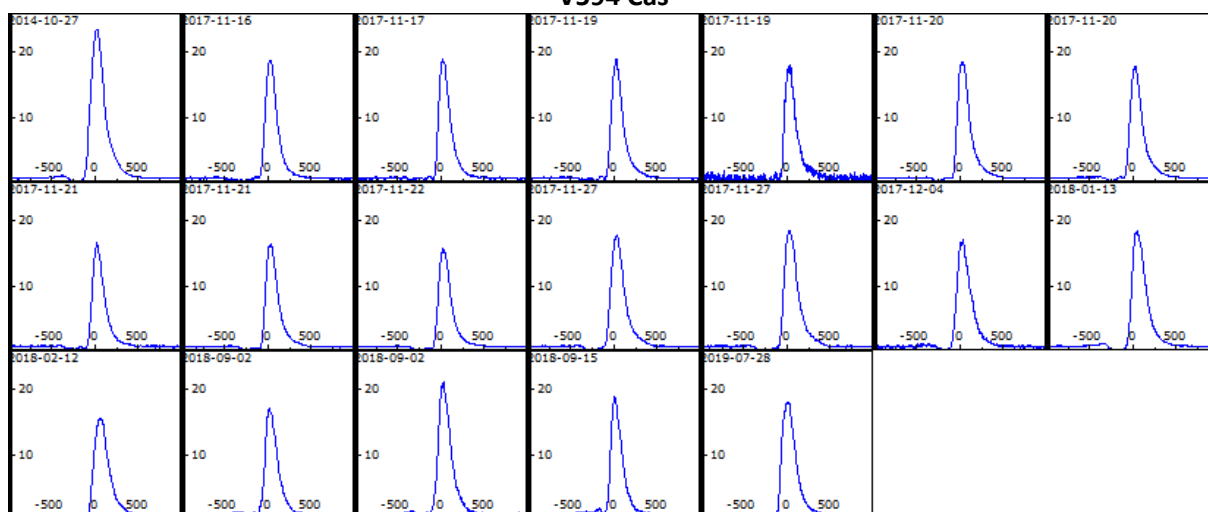
HD 195407



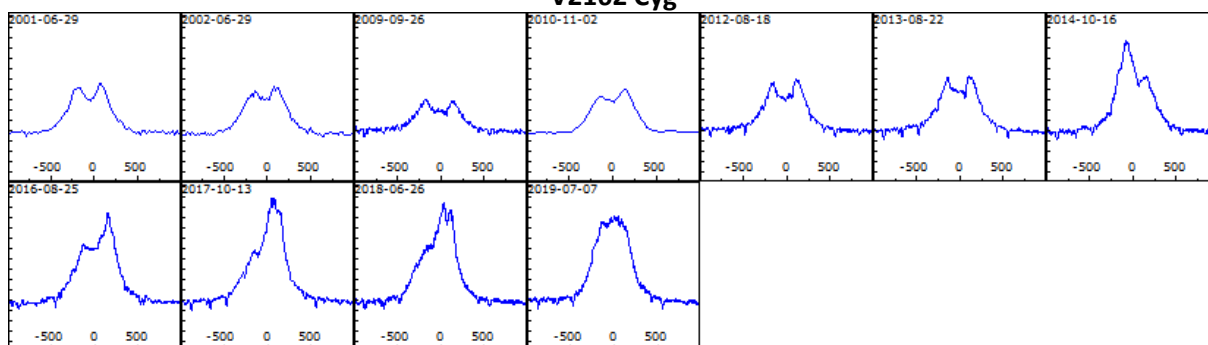
HD 199218



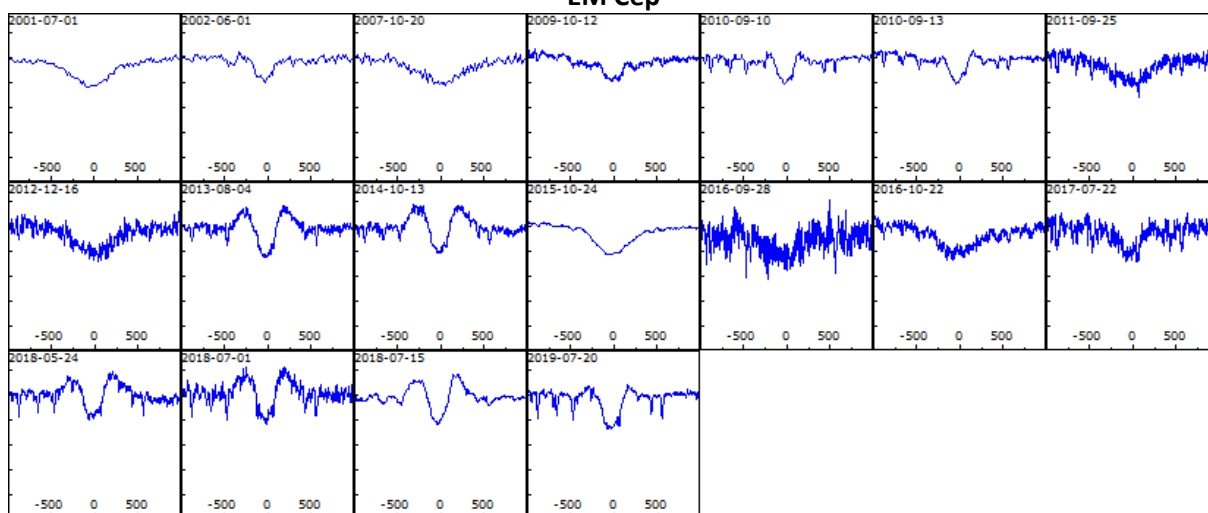
V594 Cas



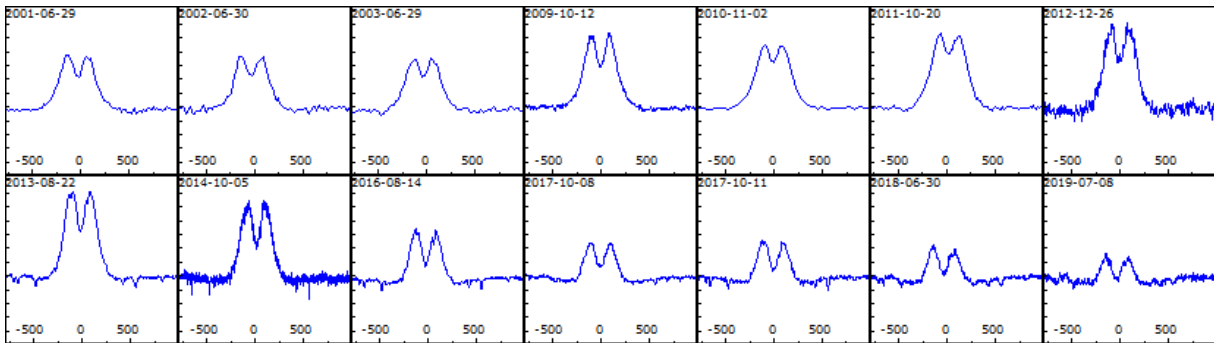
V2162 Cyg



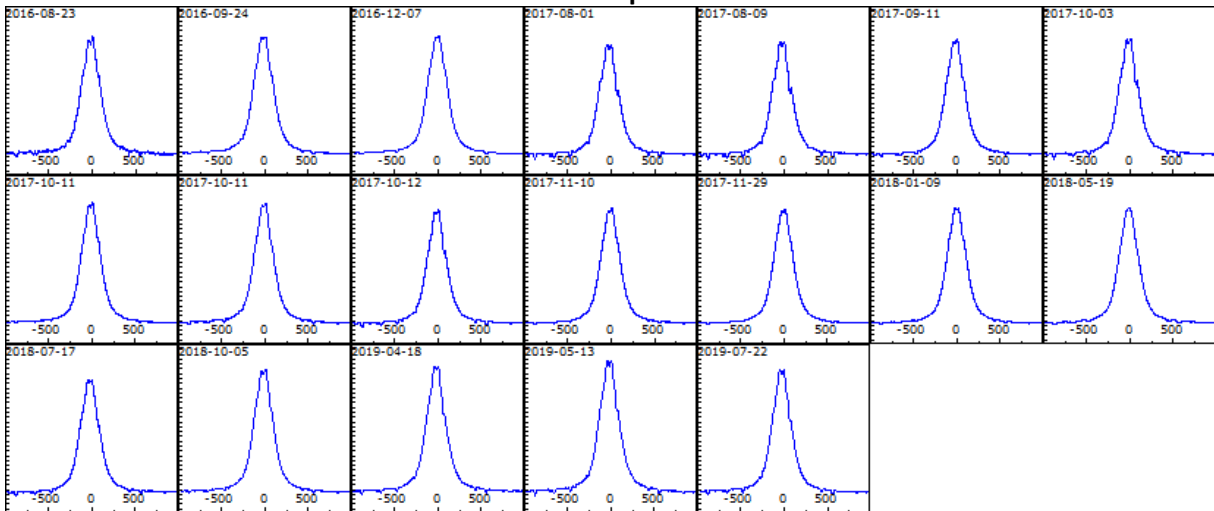
EM Cep



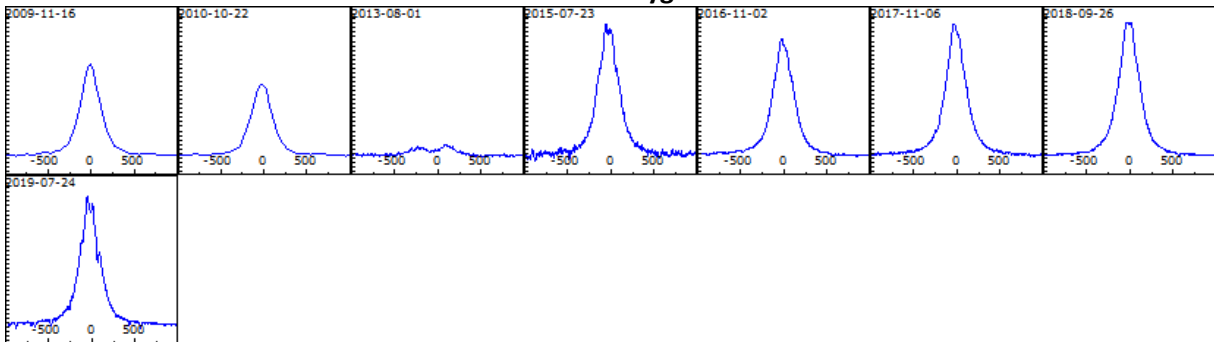
HD 205060



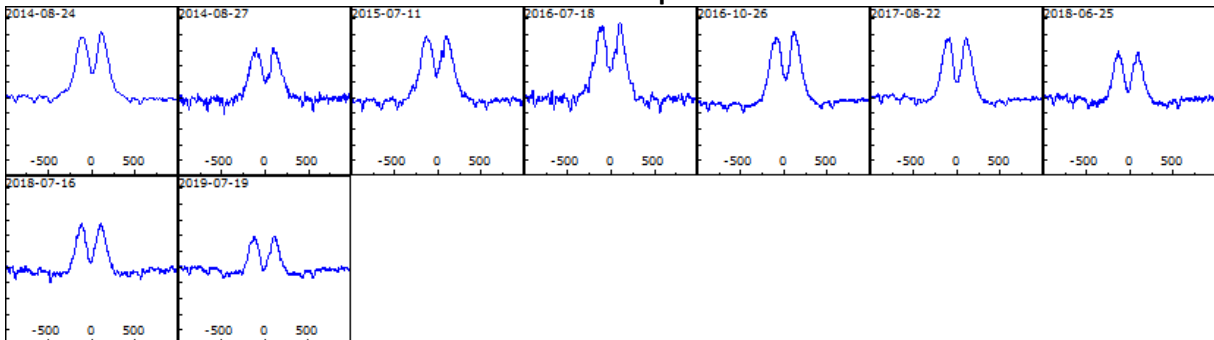
6 Cep



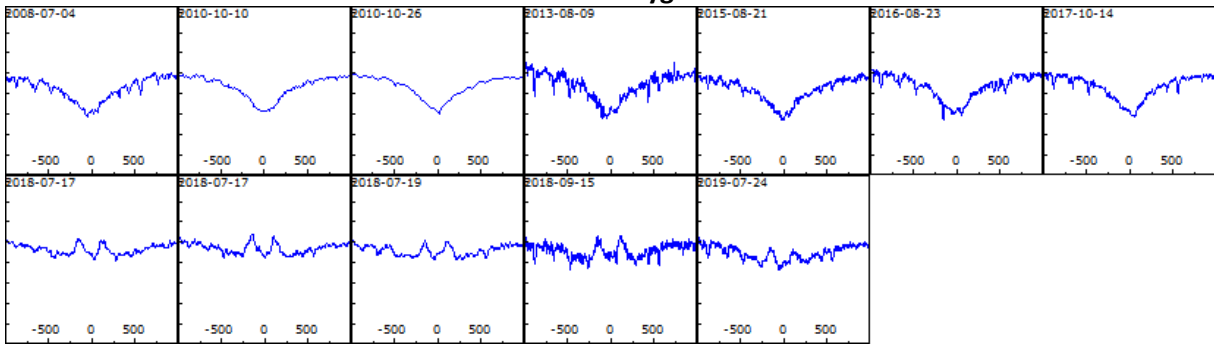
V2135 Cyg



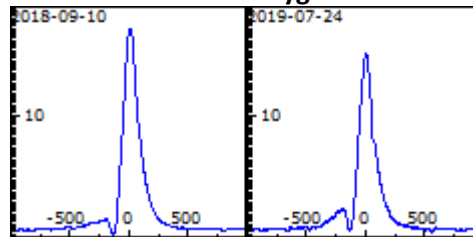
V1466 Aql



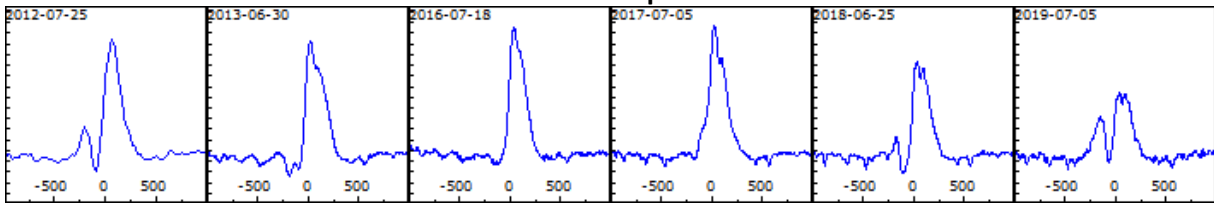
V2144 Cyg



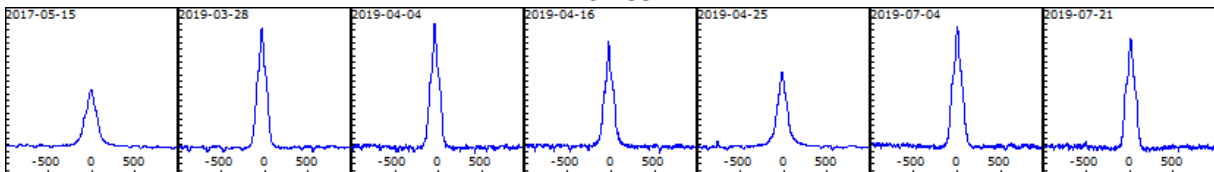
V1427 Cyg



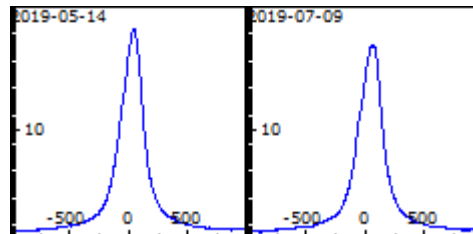
V2307 Oph



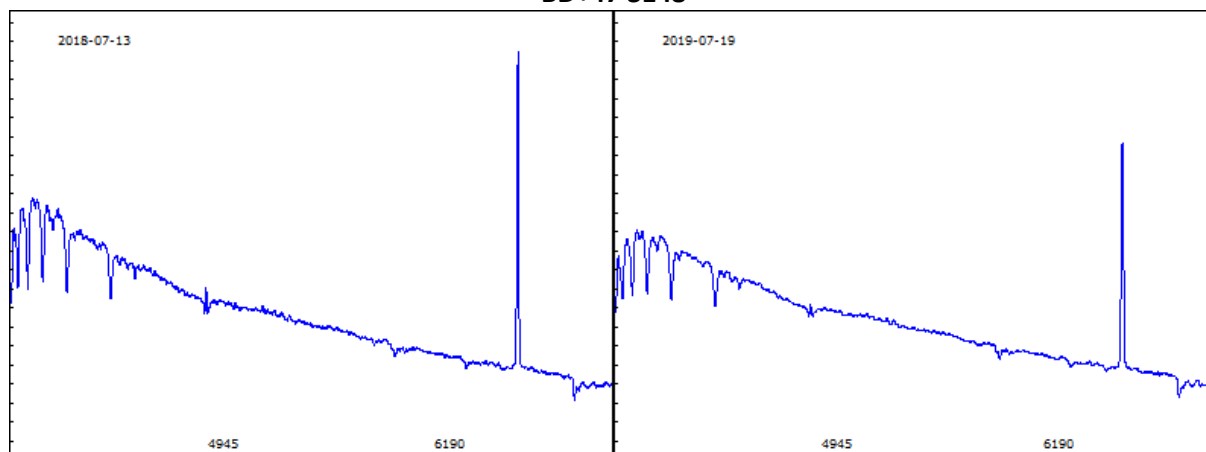
V767 Cen



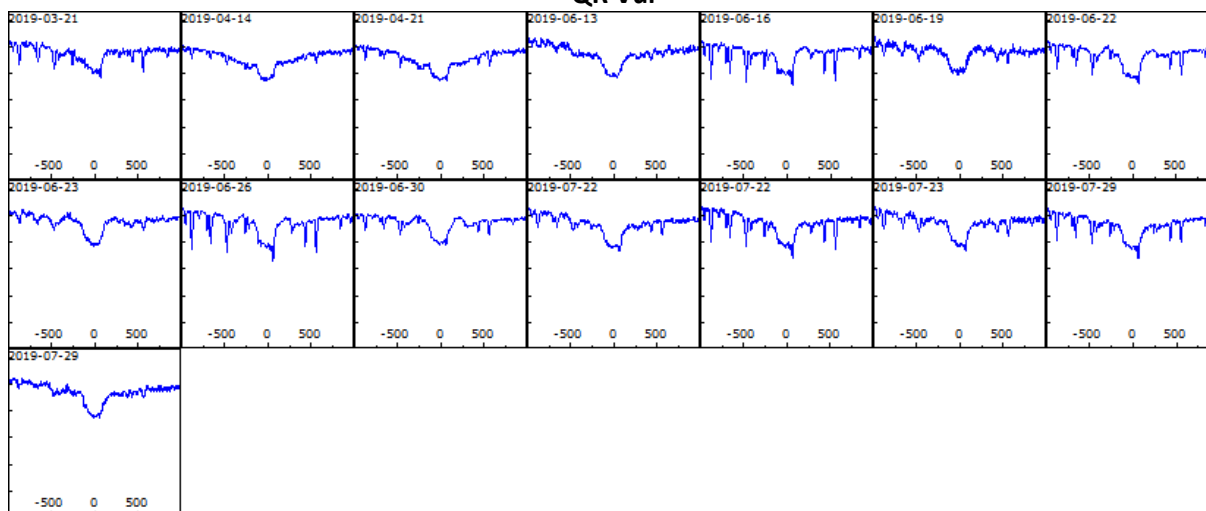
BD+14 3887



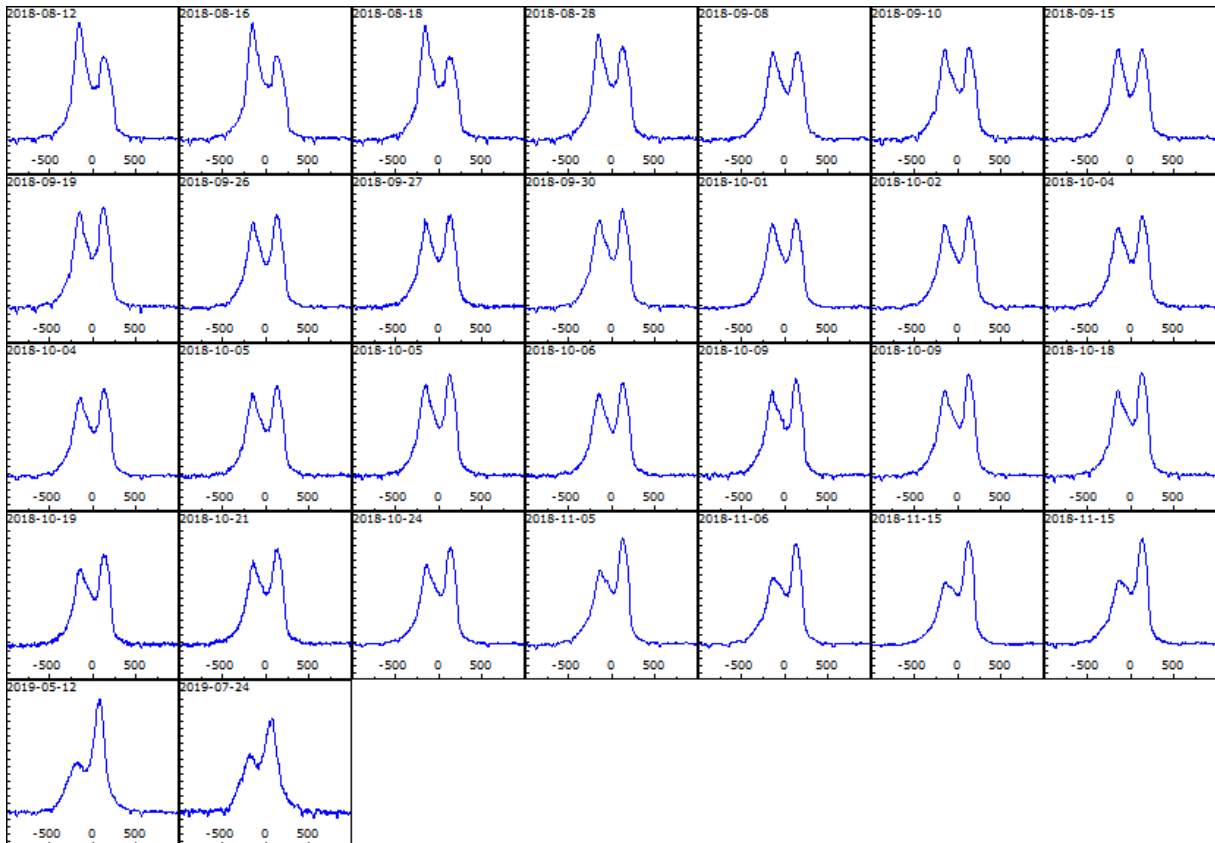
BD+47 3148



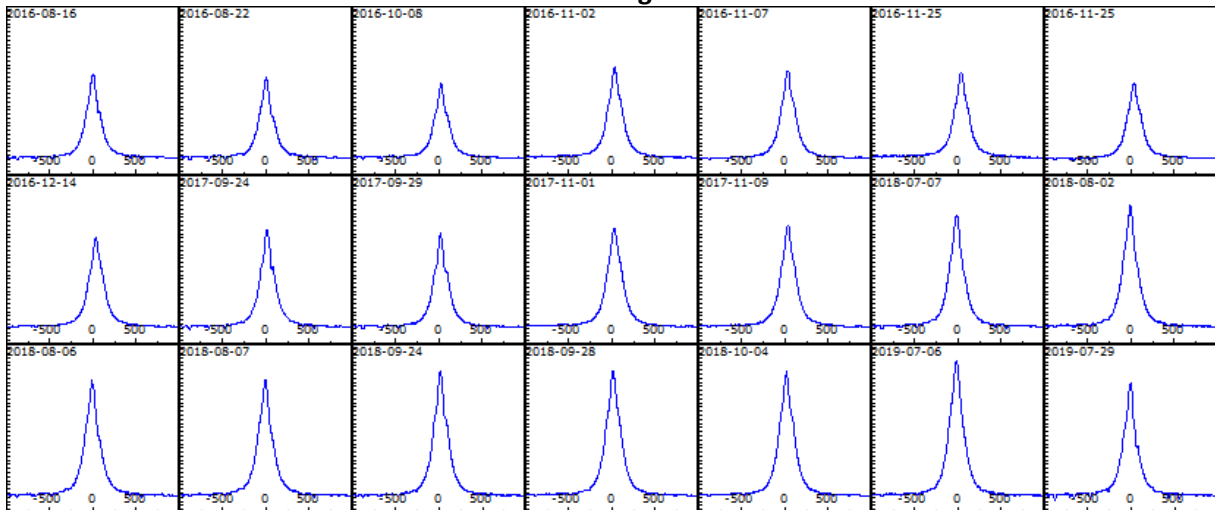
QR Vul



HD 206773



31 Peg



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/>