

BeSS report – July 2020

Data compiled by Valérie Desnoux – H-alpha monitoring

- 79 stars were observed
- 17 Observers contributed this month
- 152 Spectra

Observers...

Observateur	Nb spec
Thizy	70
Halsey	14
Bryssinck	13
James	11
Gurney	8
bertrand	6
Stiewing	5
Ventura	4
BERNARD	4
Desnoux	4
Bohlsen	3
Curry	2
MAETZ	2
GARREL	2
KREIDER	2
GARDE	1
Graham	1
Total général	152

Events of the month...

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

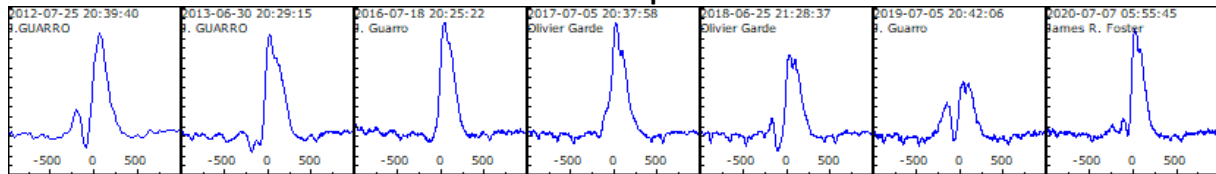
EE	ME	DE
V2307 Oph	V1295 Aql	phi Per
HD 174571	V357 Lac	V2162 Cyg
V378 And	14 Lac	V1294 Aql
phi And	QR Vul	V1448 Aql
HD 224544	lam Cyg	EW Lac
HD 181308	CX Dra	V2172 Cyg
	HD 171780	
	V341 Sge	
	HD 181231	

Objects observed

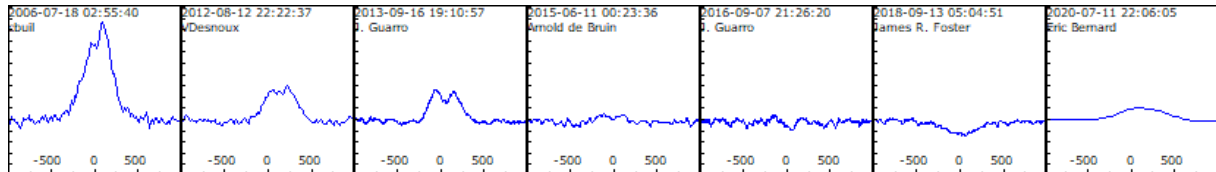
Classique						?	Herbig	B[e]
V442 And	V357 Lac	gam Cas	28 Cyg	25 Cyg	bet Psc	HD 174571	V1295 Aql	V594 Cas
phi Per	HD 206773	ALFIRK	14 Lac	V378 And	nu Cyg		IL Cep	
31 Peg	V1339 Aql	QR Vul	V2162 Cyg	V1294 Aql	omi And		WW Vul	
lam Cyg	phi And	V923 Aql	HD 224544	V1437 Aql	V1448 Aql		VV Ser	
CX Dra	V420 Cep	EW Lac	NW Ser	QV Tel	kap Aql		V2307 Oph	
V2113 Cyg	V568 Cyg	ups Cyg	V2136 Cyg	V2148 Cyg	omi Cas			
del Sco	HD 192445	66 Oph	HD 171780	11 Cyg	25 Vul			
V2211 Cyg	V341 Sge	HD 161306	omi Her	V532 Lyr	iot Lyr			
16 Peg	NT Peg	V787 Cas	V417 Cep	V974 Her	HD 168135			
chi Oph	48 Lib	HD 168957	V2315 Oph	4 Aql	25 Peg			
HD 181409	V2163 Cyg	V549 Per	V808 Cas	HD 127617	HD 181231			
HD 344313	HD 181308	V2172 Cyg	V767 Cen	HD 163848	HD 119682			

Emission increase since last observations

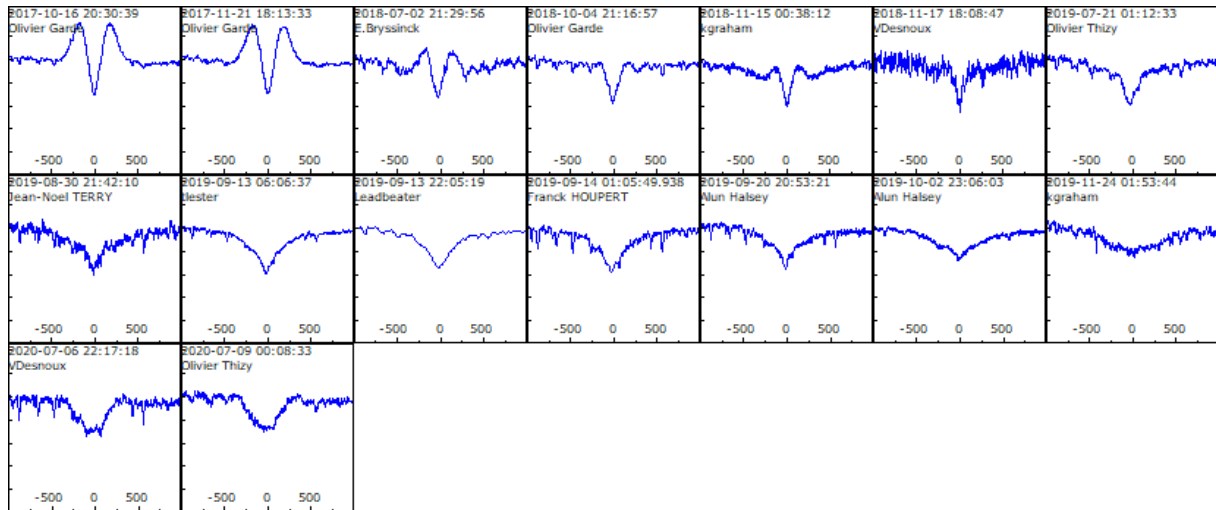
V2307 Oph



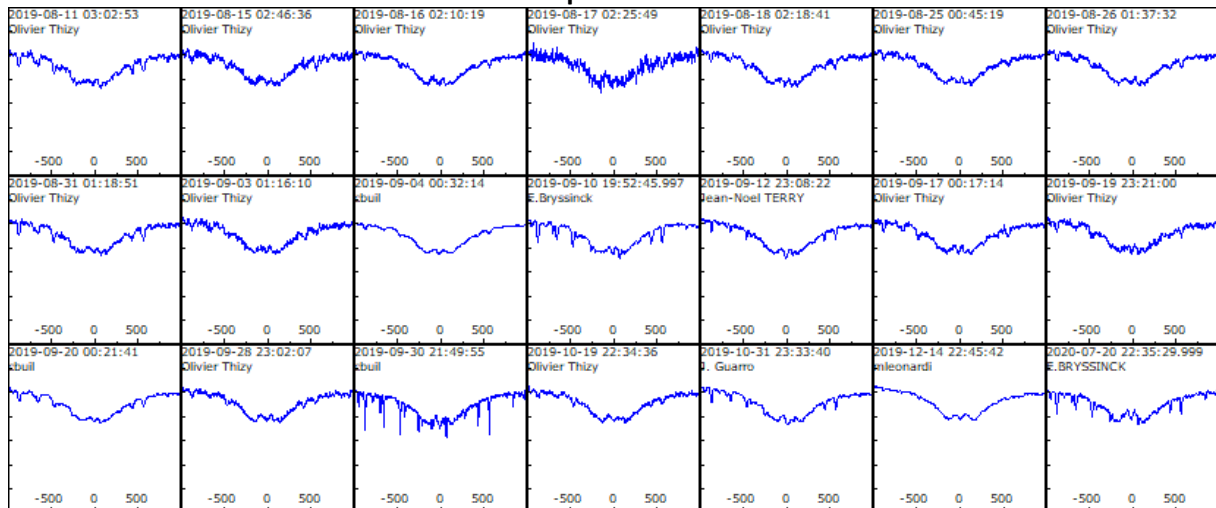
HD 174571

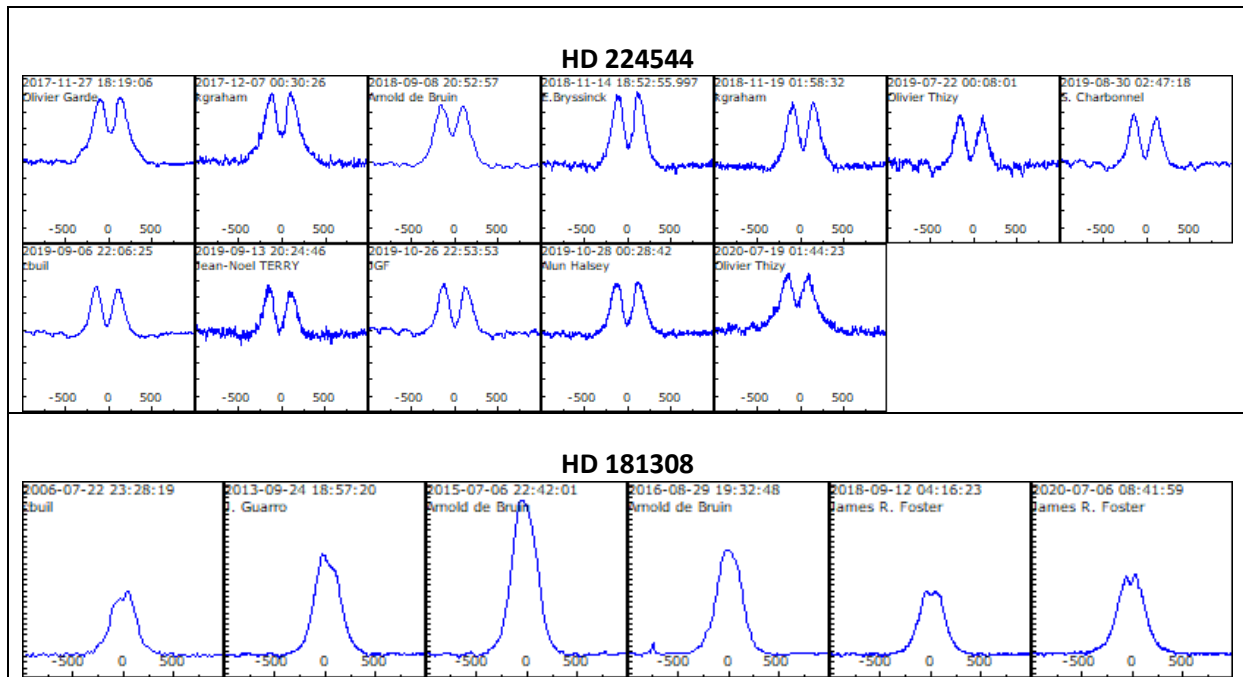


V378 And

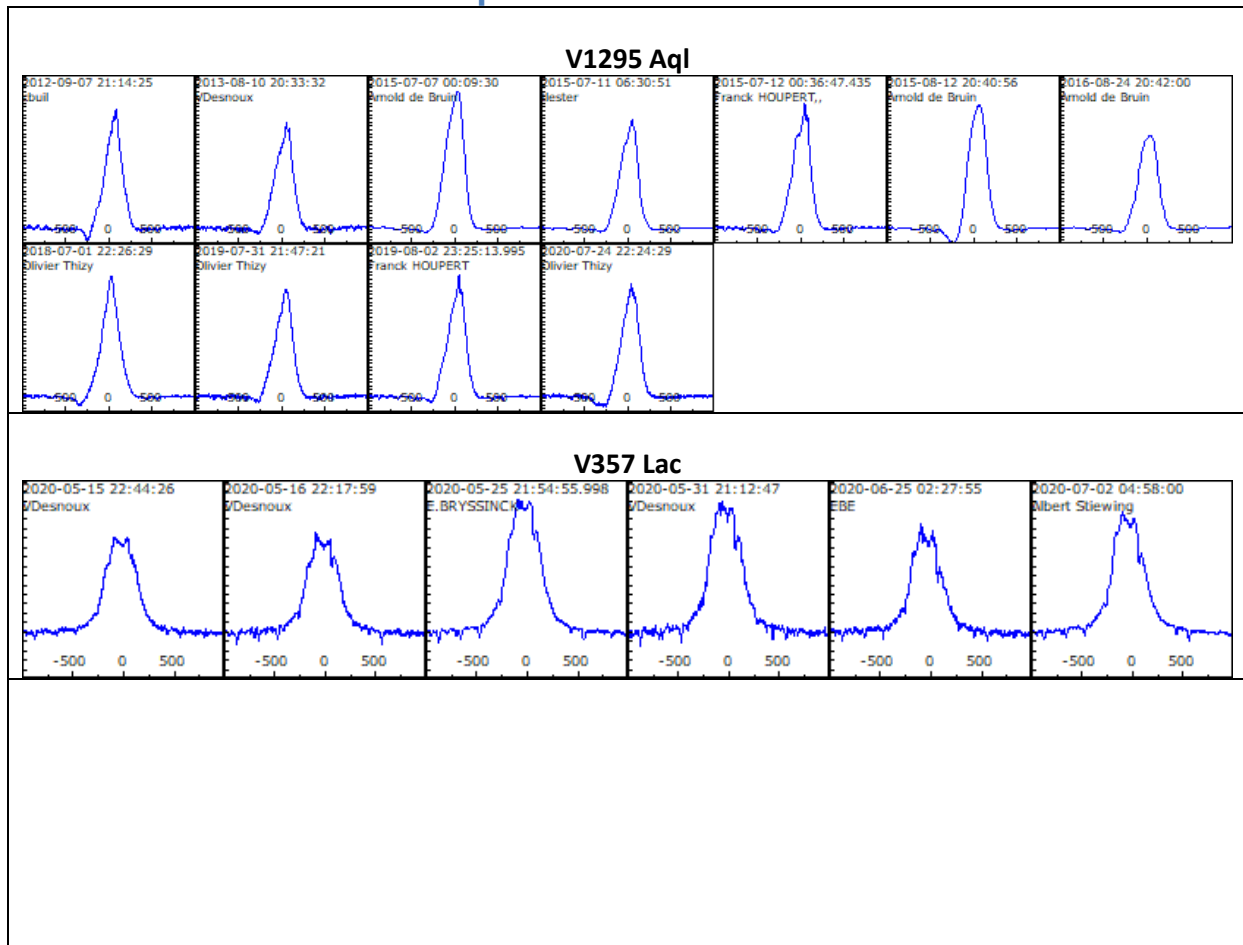


phi And

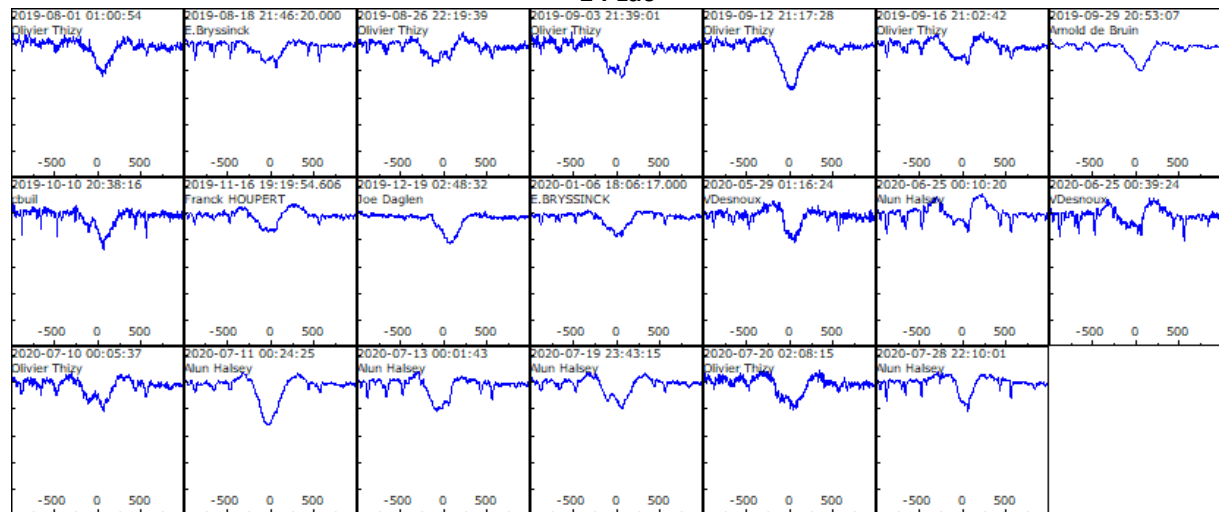




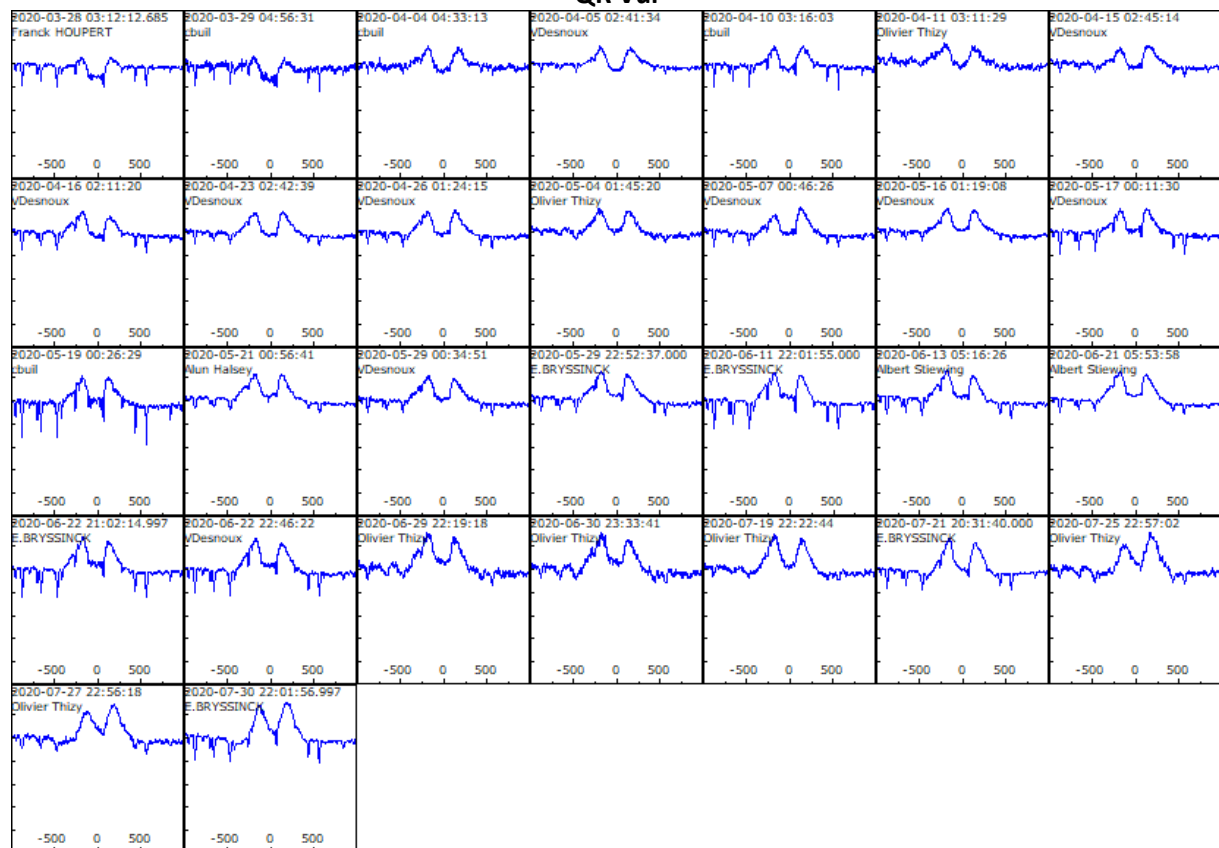
Moderate evolution of H-alpha line



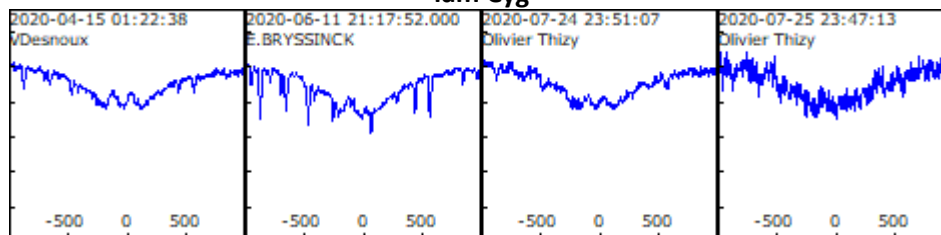
14 Lac



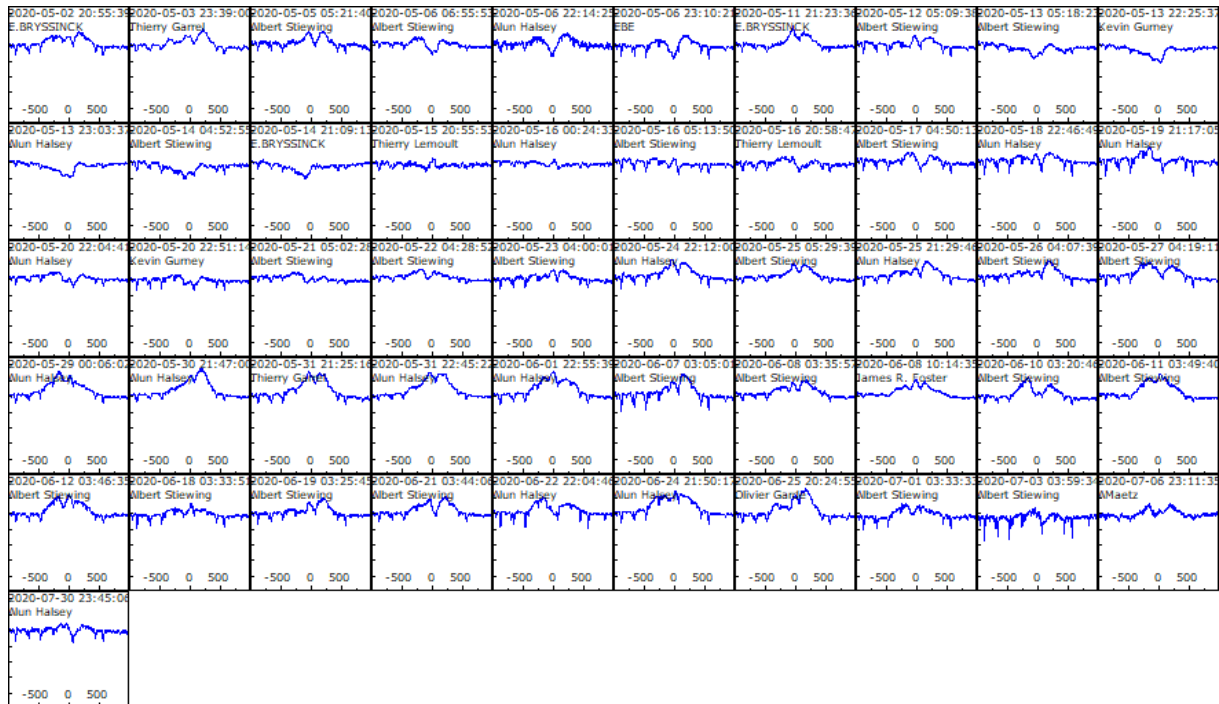
QR Vul



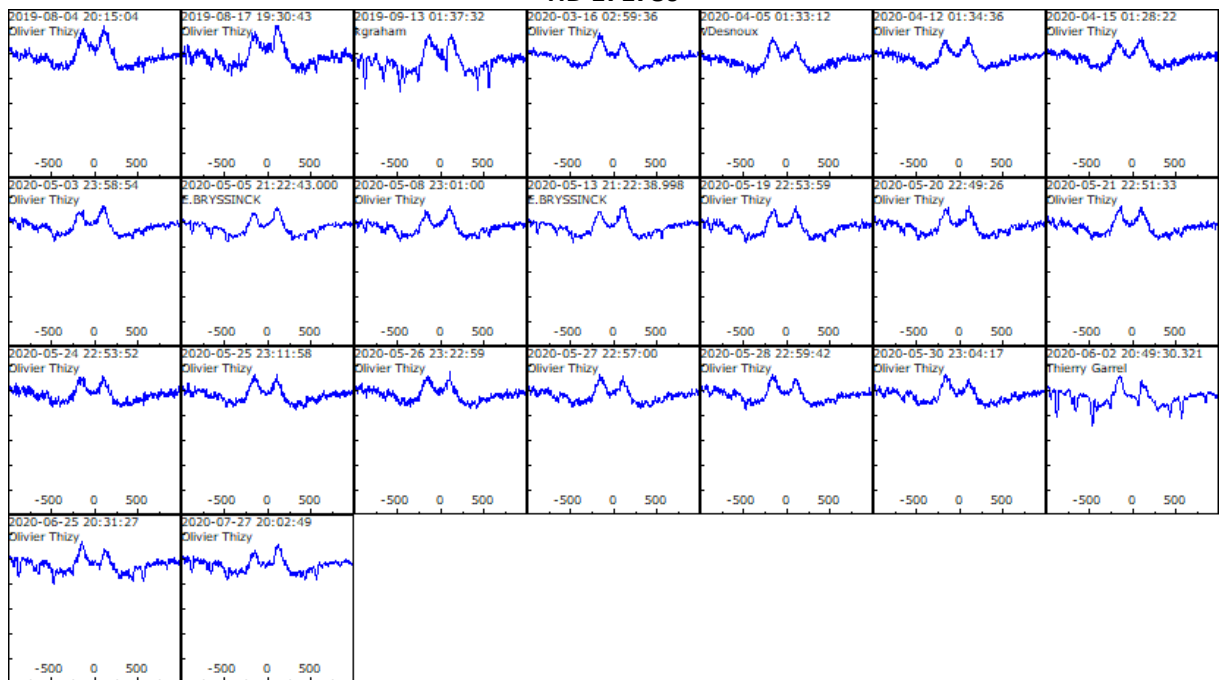
lam Cyg



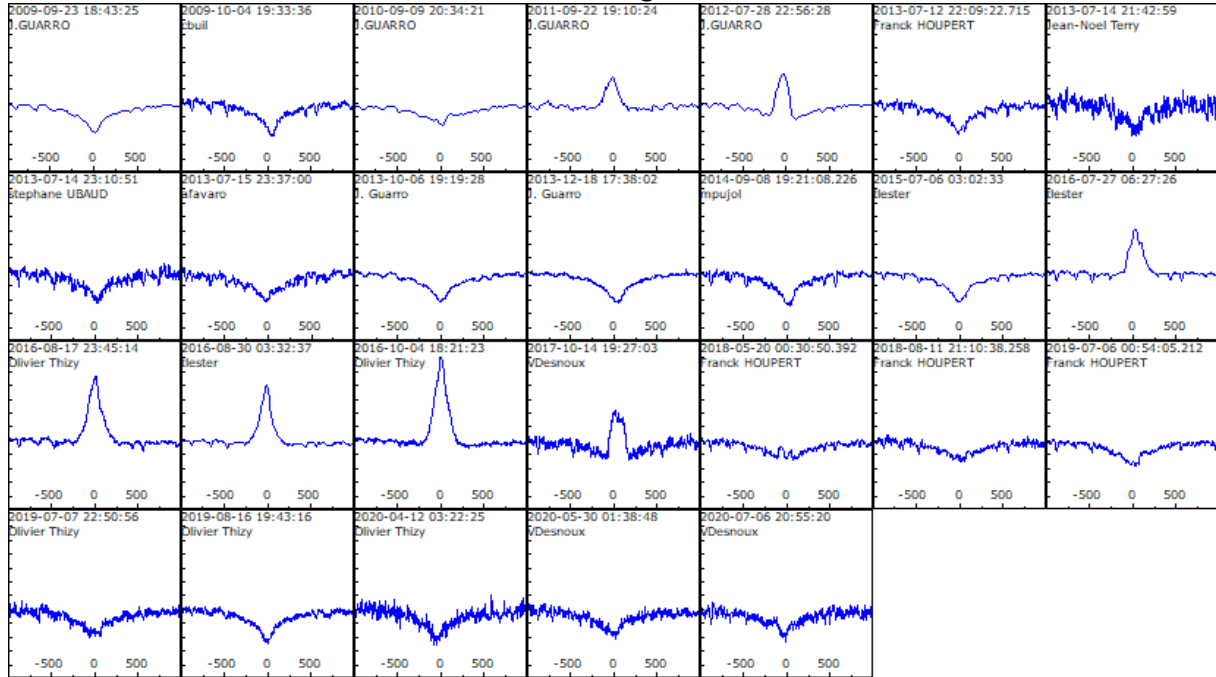
CX Dra



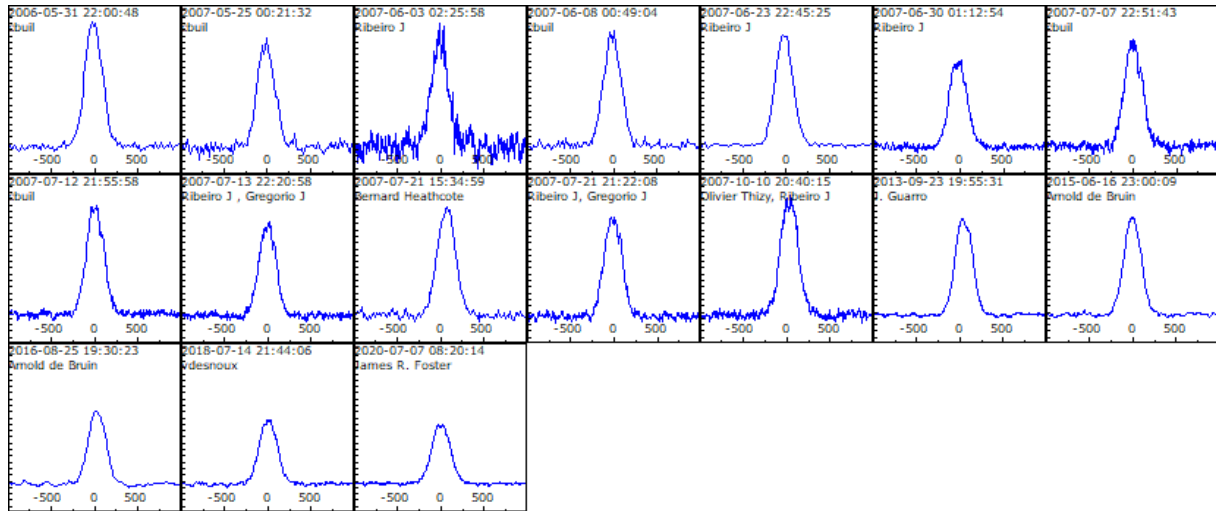
HD 171780



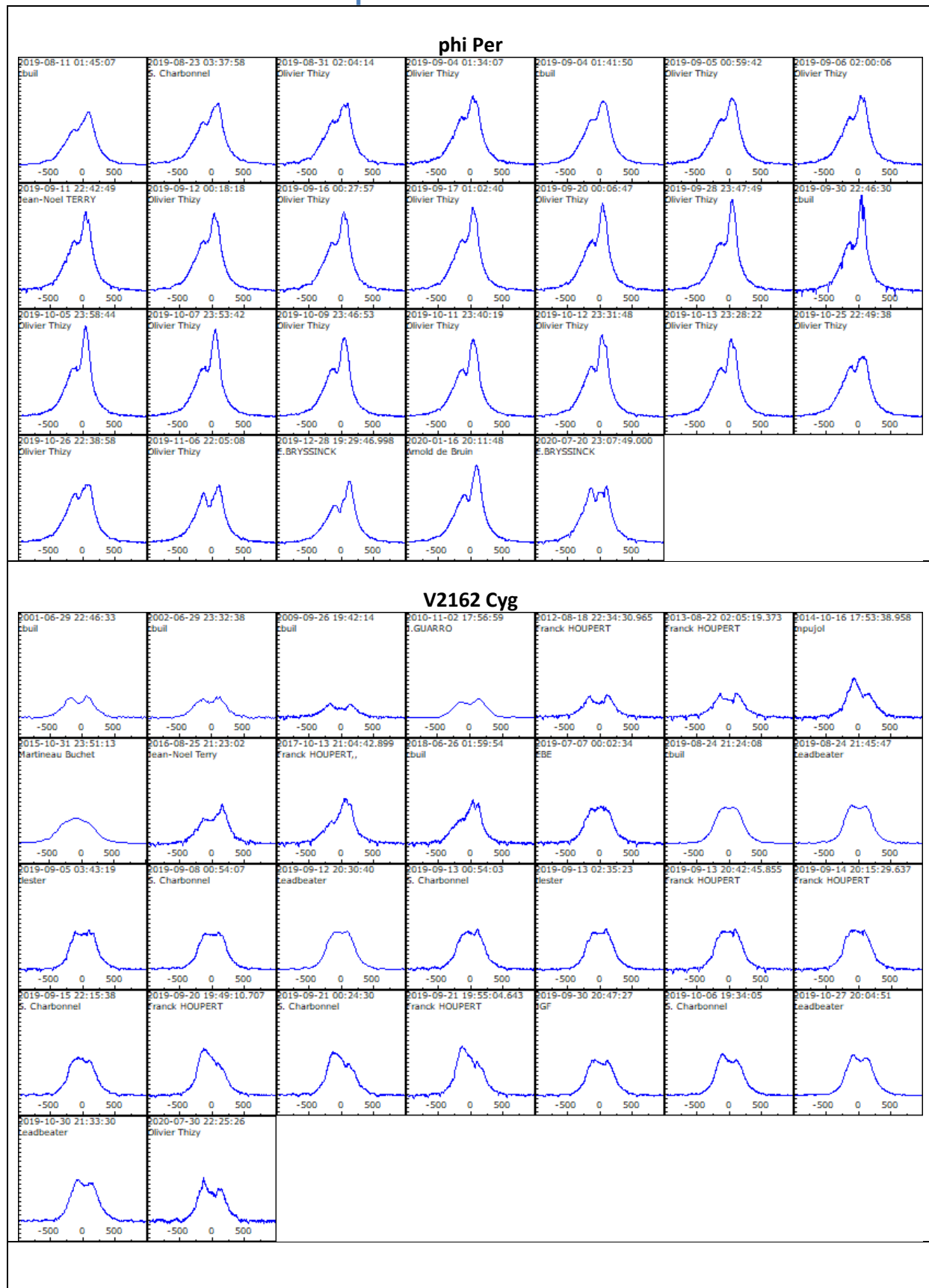
V341 Sge



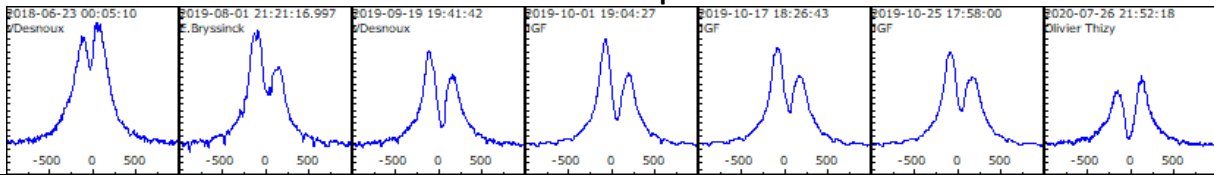
HD 181231



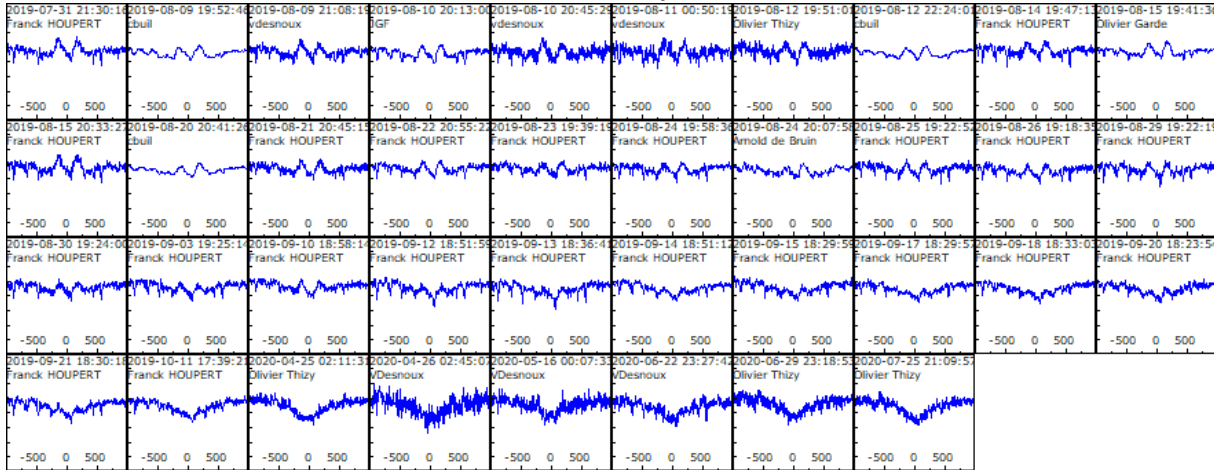
Emission decrease of H-alpha line



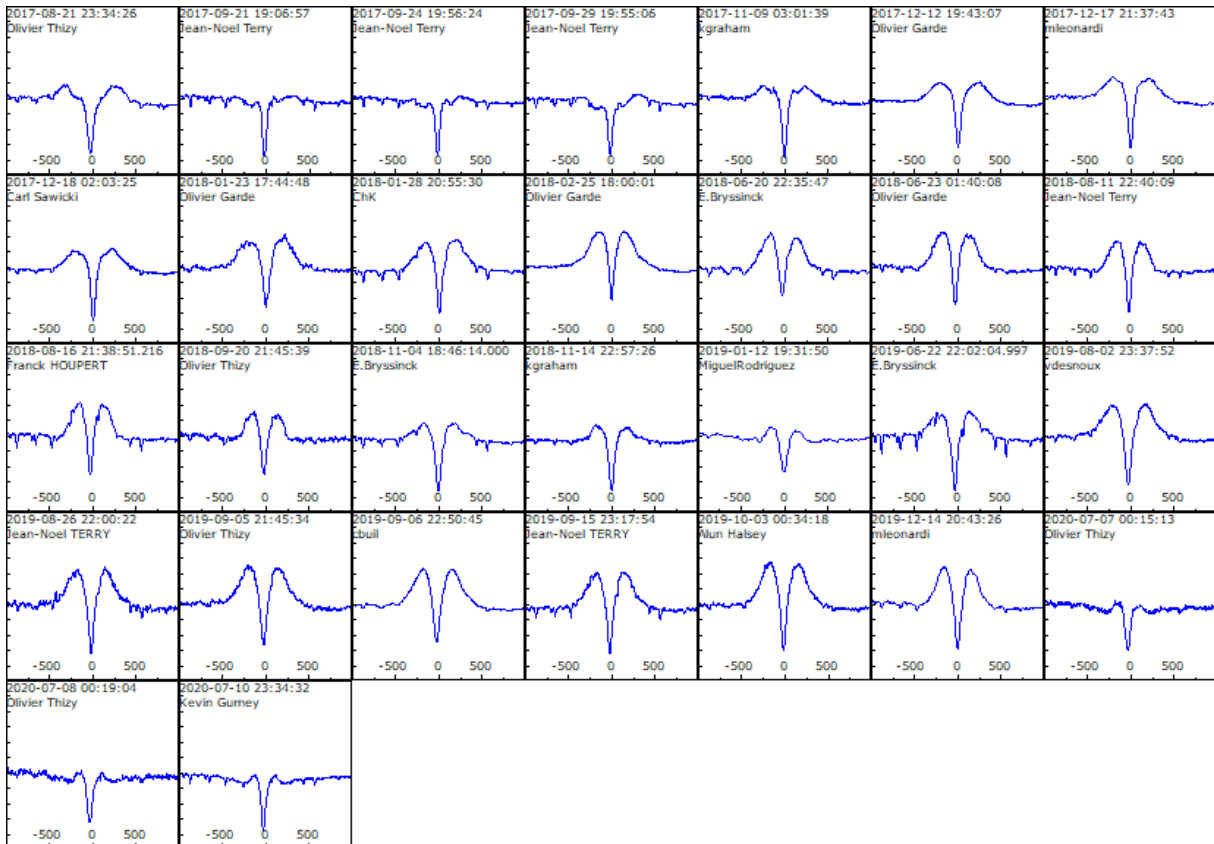
V1294 Aql

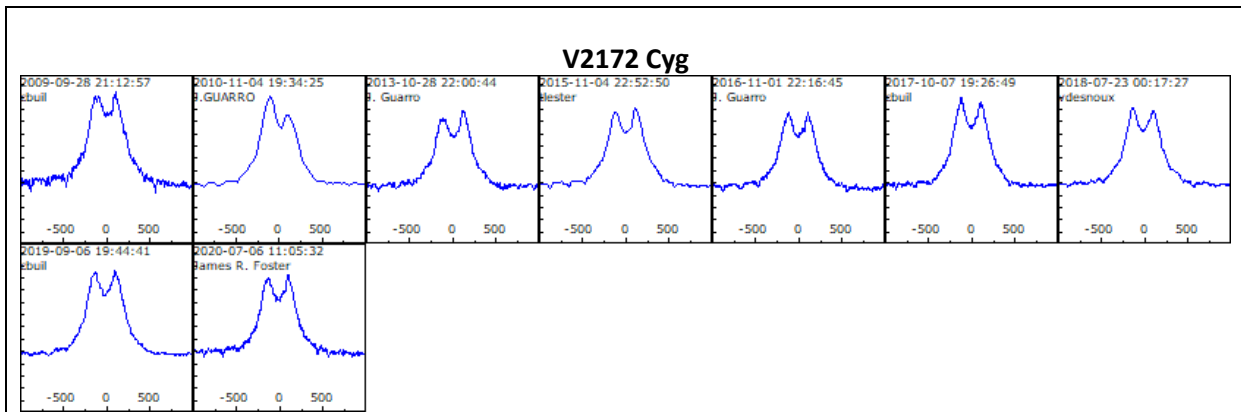


V1448 Aql



EW Lac





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.

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/>