

# BeSS report – November 2019

*Data compiled by Valérie Desnoux – H-alpha monitoring*

- 58 stars were observed
- 19 Observers contributed this month
- 157 Spectra

## Observers...

Observateur	Nb spec
Stiewing	25
Leadbeater	23
James	16
Guarro Fló	16
Bryssinck	13
Favaro	12
HOUPERT	9
Charbonnel	8
Halsey	6
Iadevaia	5
Thizy	5
de Bruin	5
Leonardi	3
Pollmann	3
Lester	3
Graham	2
Sollecchia	1
Somogyi	1
KREIDER	1
<b>Total général</b>	<b>157</b>

## Events of the month...

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

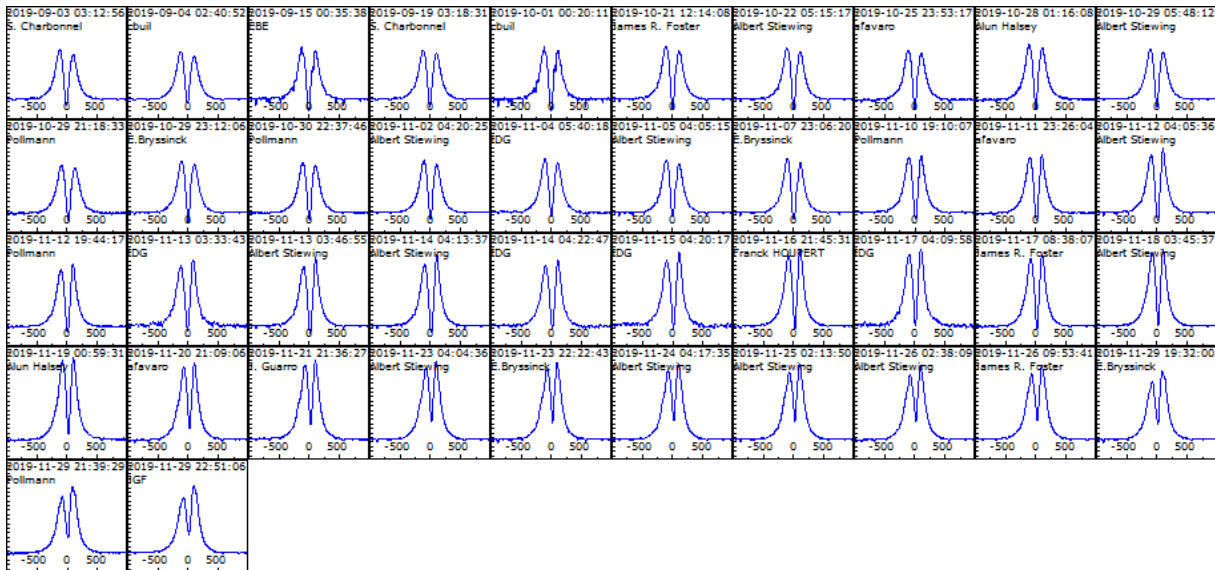
EE	ME	DE
PLEIONE	pi Aqr	V442 And
V801 Cas	V818 Cas	CT Cam
BD+61 39	ELECTRA	zet Tau
Iam Eri	phi Per	OT Gem
14 Lac	V742 Cas	V378 And
V1339 Aql	HD 208682	31 Peg
228 Eri	SX Aur	V764 Cas
V811 Cas		2 Cet
V414 Aur		Menkhib
		BN Gem
		V586 Per

## Objects observed

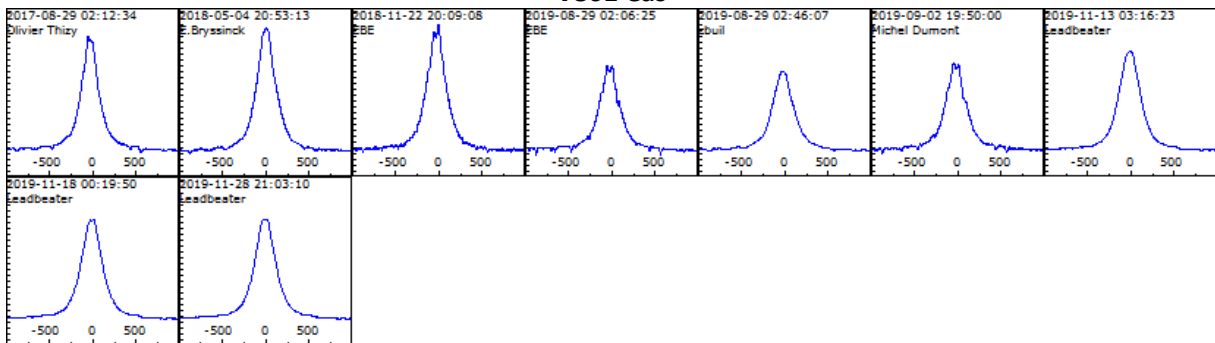
Classique					
V442 And	PLEIONE	pi Aqr	V357 Lac	V818 Cas	CT Cam
ELECTRA	V801 Cas	gam Cas	28 Cyg	25 Cyg	BD+61 39
Iam Eri	13 Tau	CR Cam	HD 237056	bet Psc	tet Ari
BD+56 534	phi Per	HD 29866	HD 206773	18 And	ALFIRK
zet Tau	OT Gem	HD 237091	14 Lac	BK Cam	V378 And
MEROPE	nu Cyg	LQ And	11 Cam	V1443 Aql	31 Peg
V764 Cas	V742 Cas	CW Cep	V1339 Aql	2 Cet	HD 208682
48 Per	228 Eri	2 Ori	Menkhib	HD 19993	HD 36408
V811 Cas	V731 Tau	V473 Per	HD 7720	V780 Cas	BN Gem
SX Aur	V414 Aur	V810 Cas	V586 Per		

## Emission increase since last observations

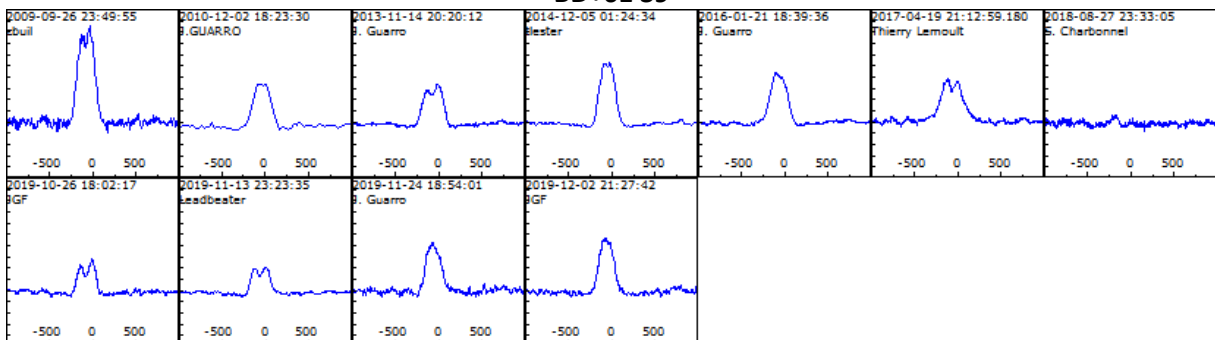
### PLEIONE



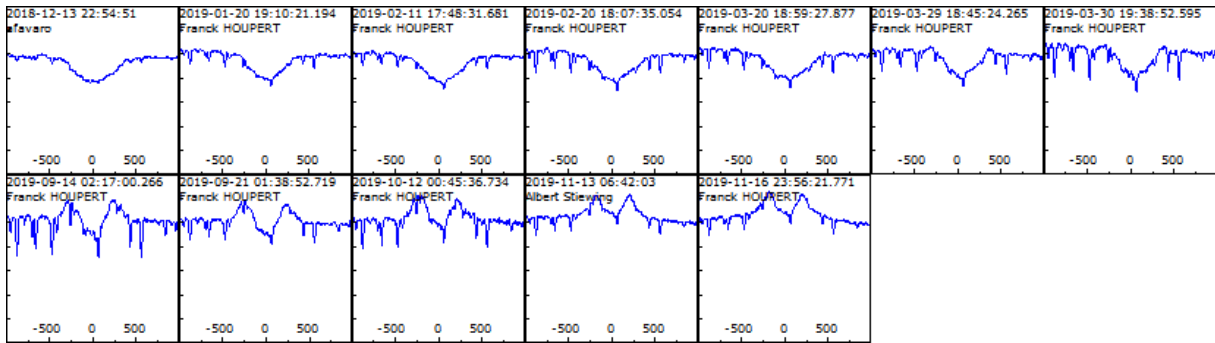
### V801 Cas



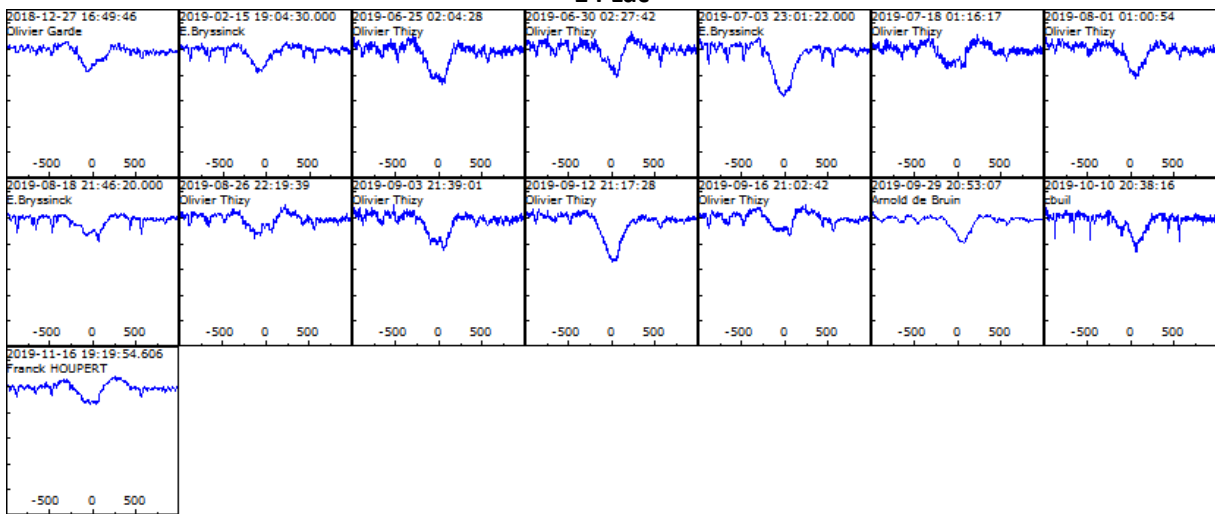
### BD+61 39



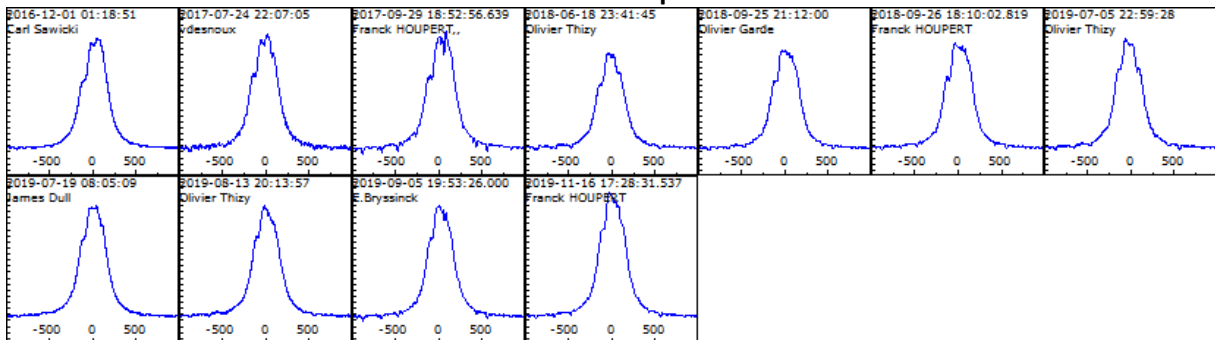
### Iam Eri



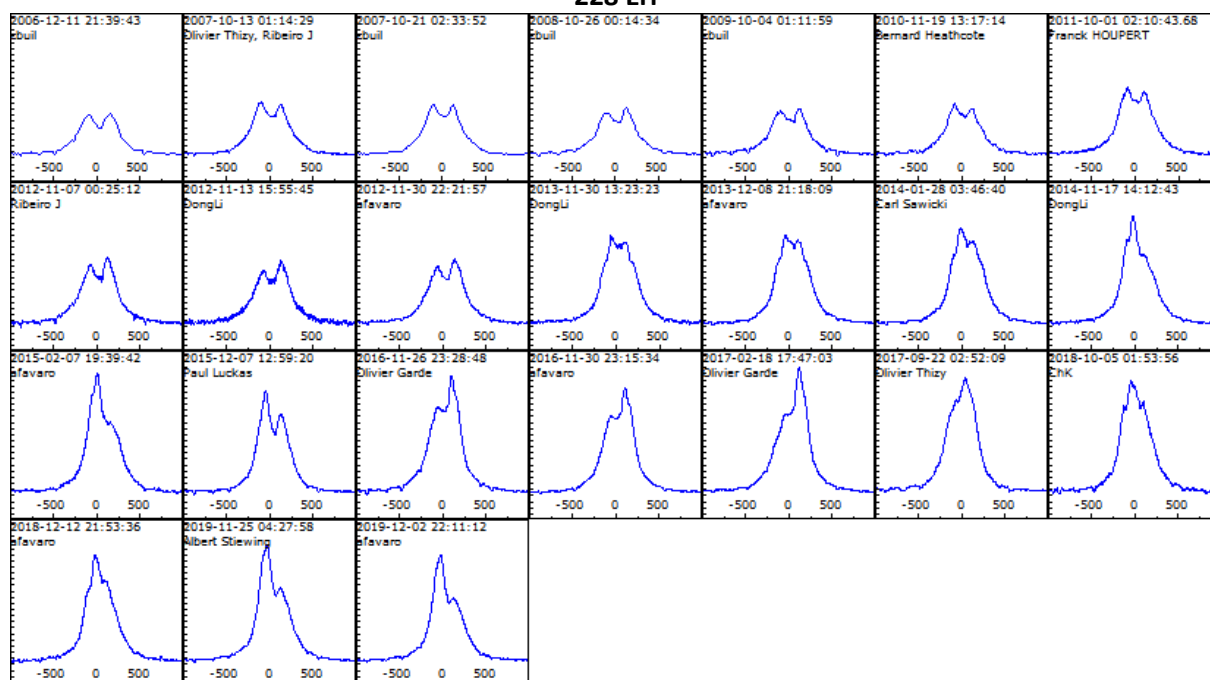
### 14 Lac



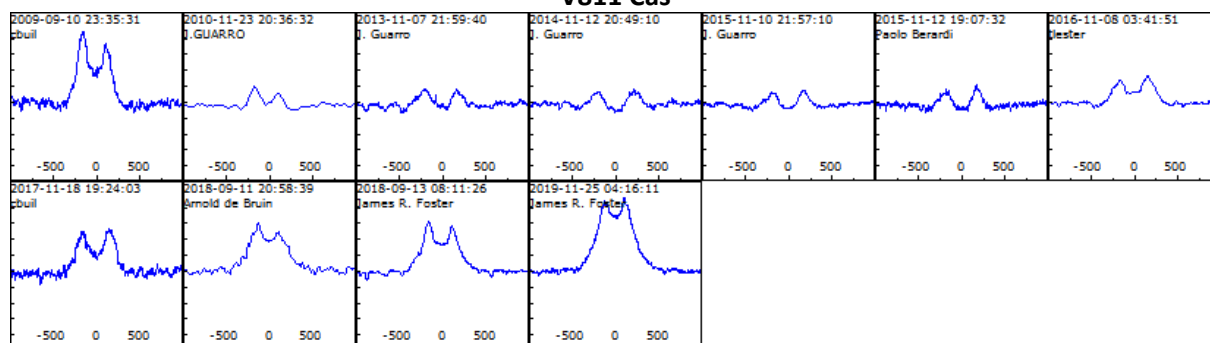
### V1339 Aql



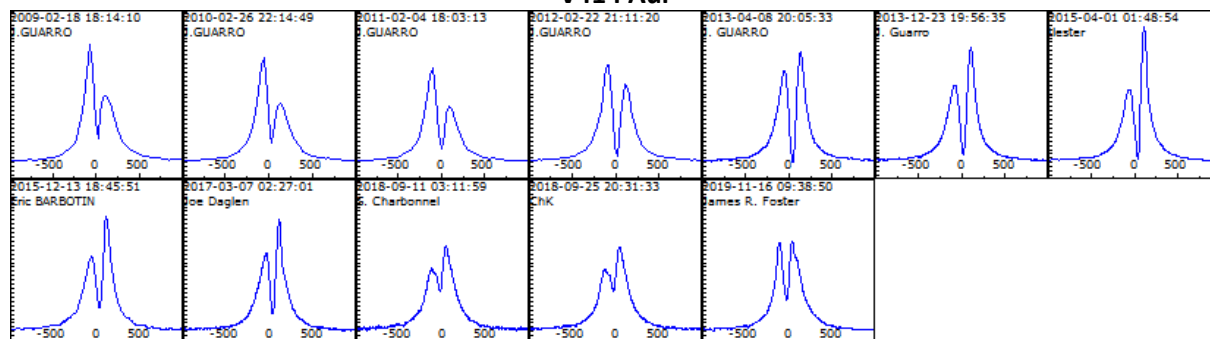
### 228 Eri



### V811 Cas

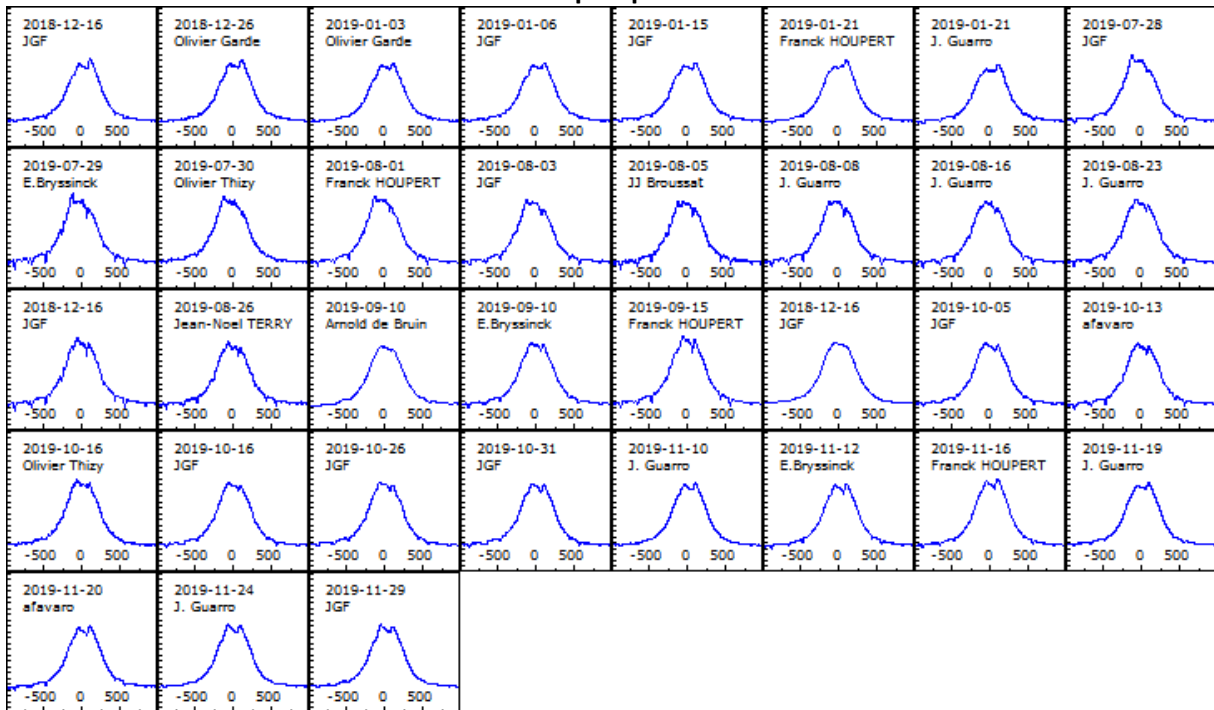


### V414 Aur

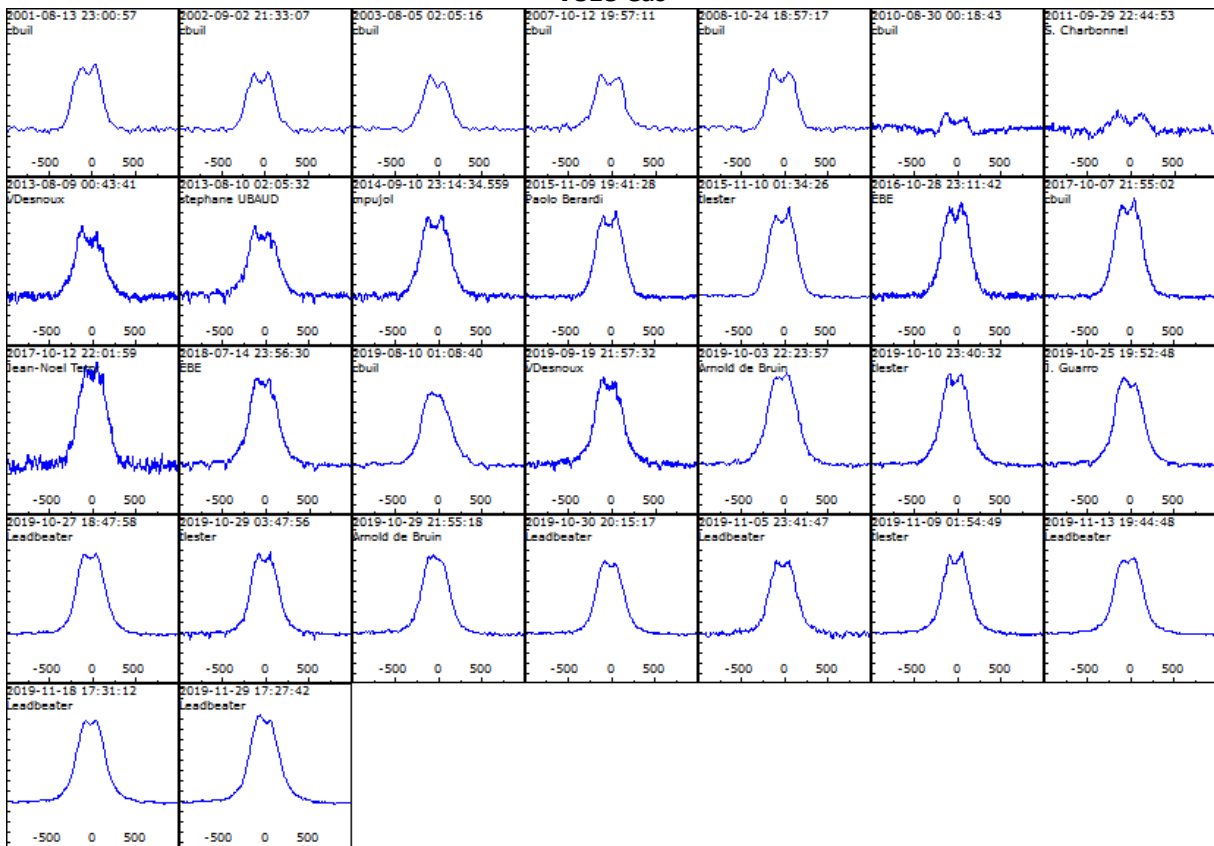


## Moderate evolution of H-alpha line

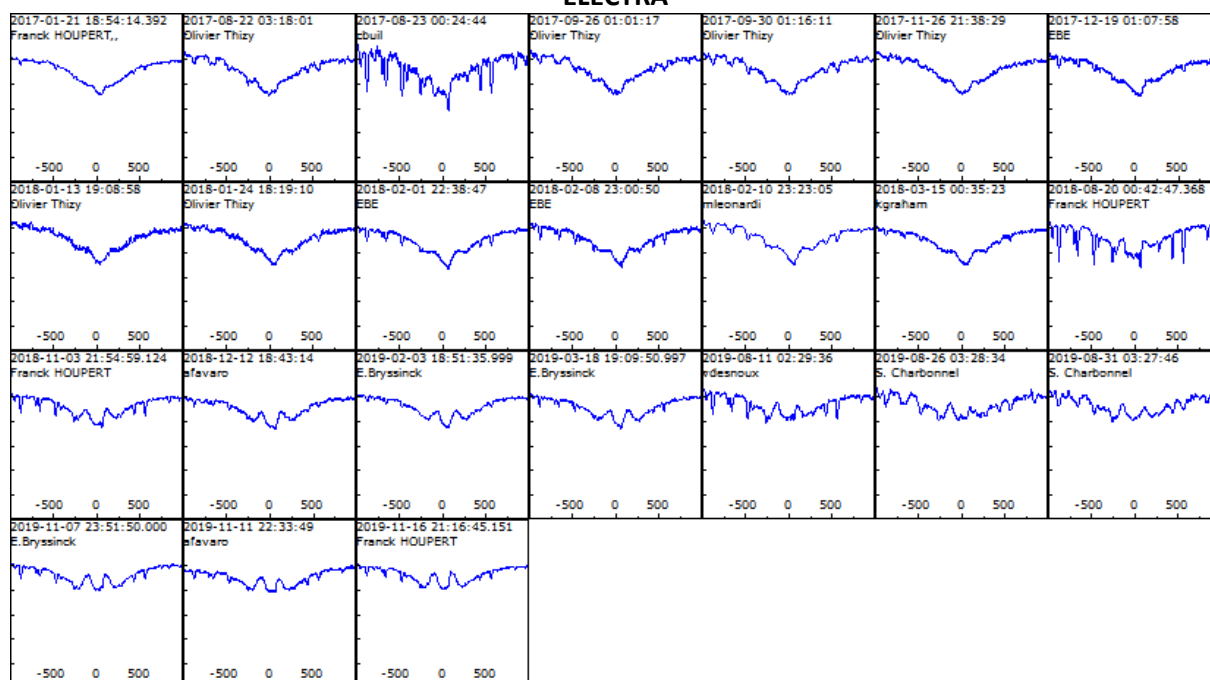
**$\pi$  Aqr**



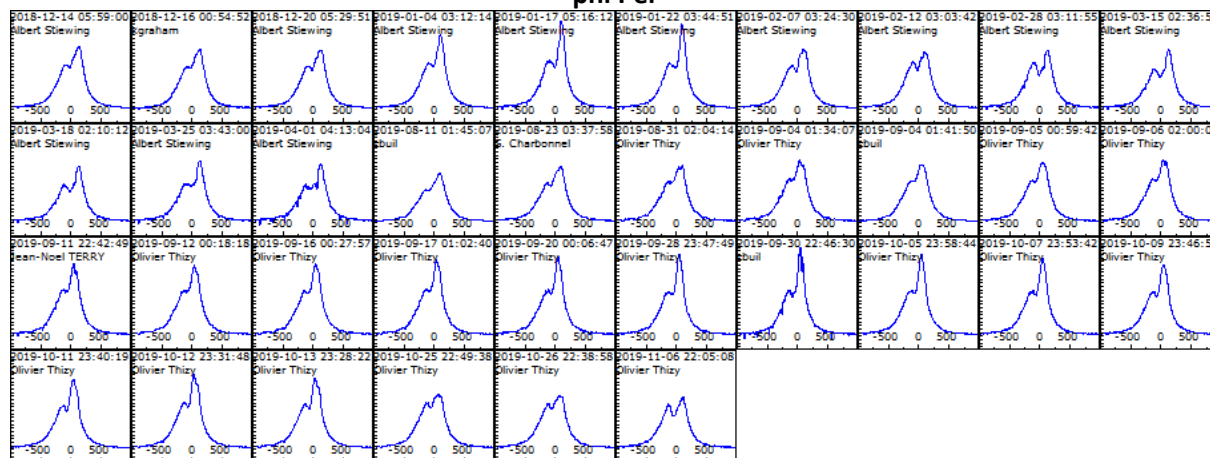
**V818 Cas**



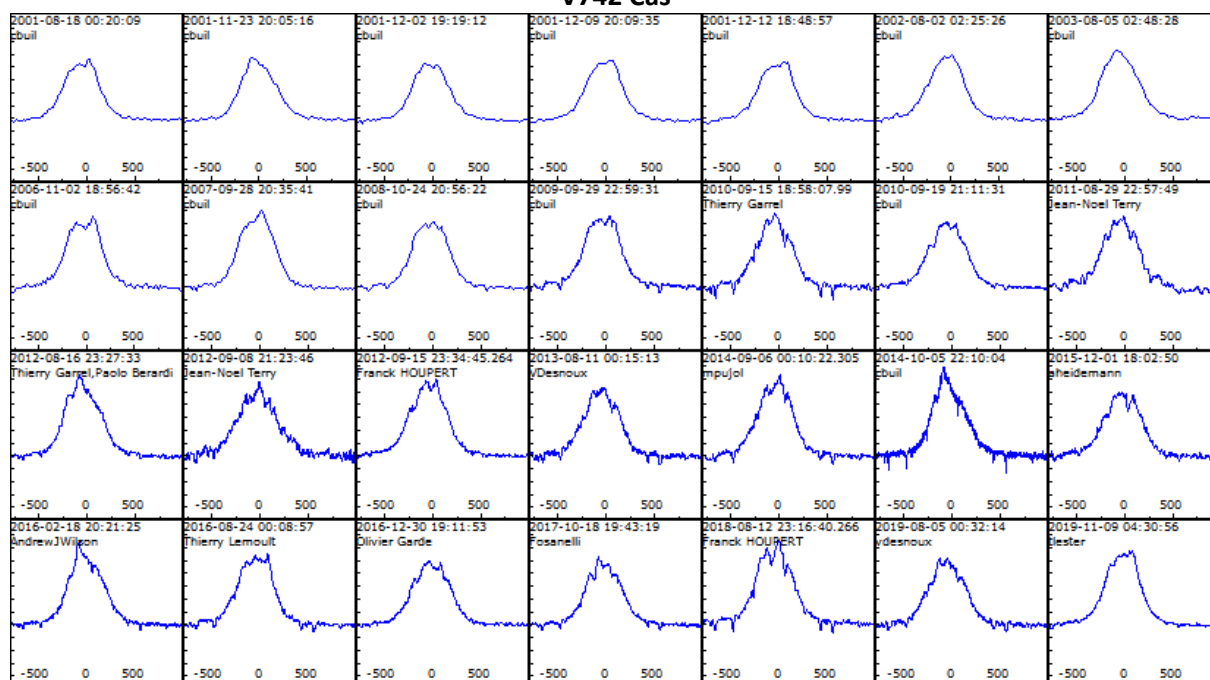
## ELECTRA



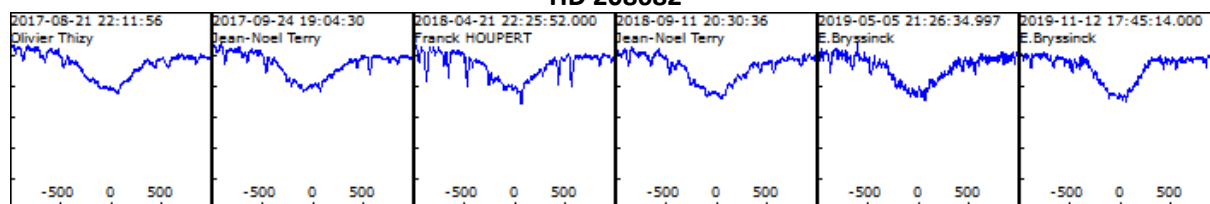
## phi Per



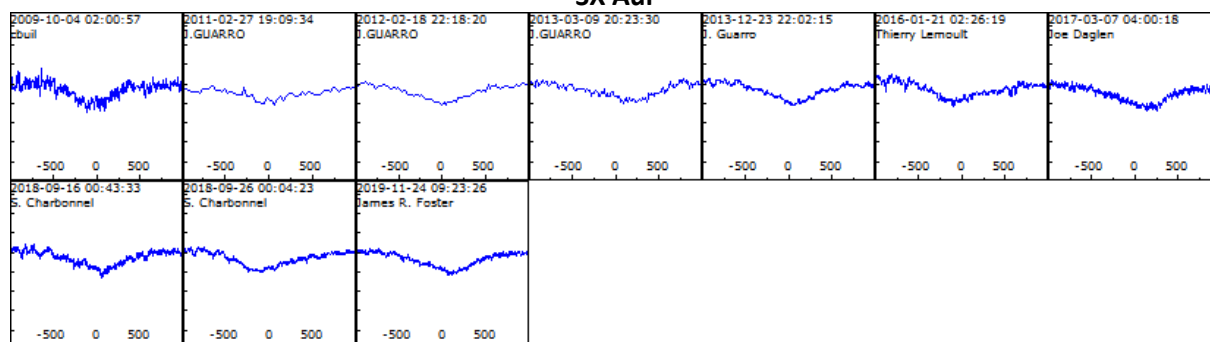
### V742 Cas



### HD 208682

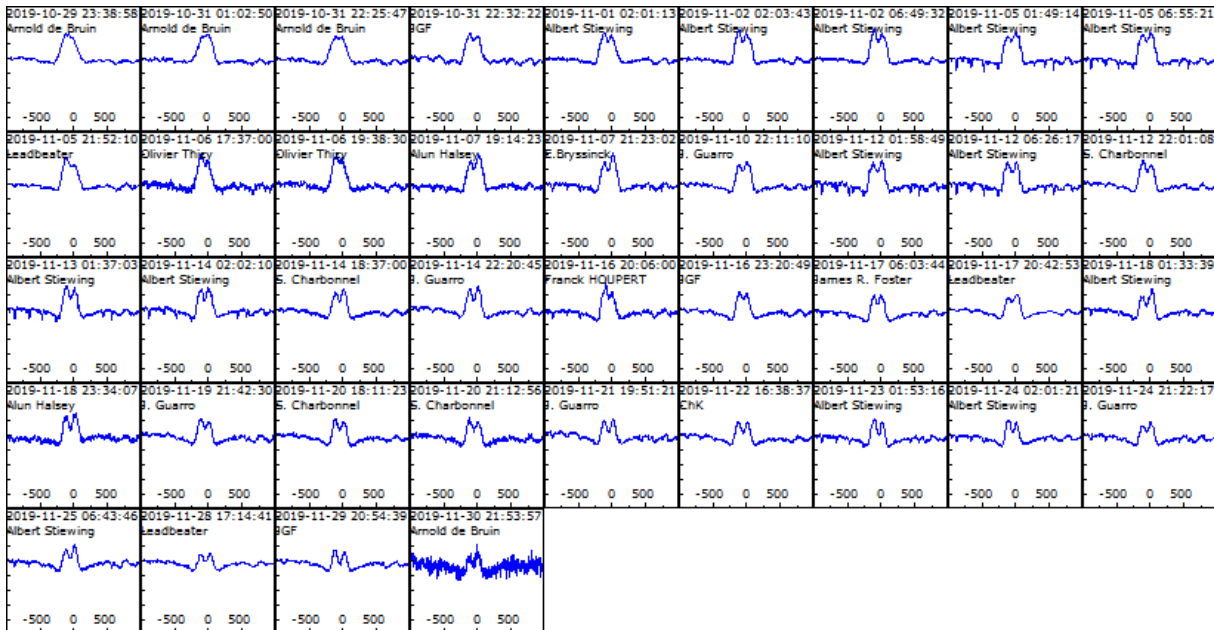


### SX Aur

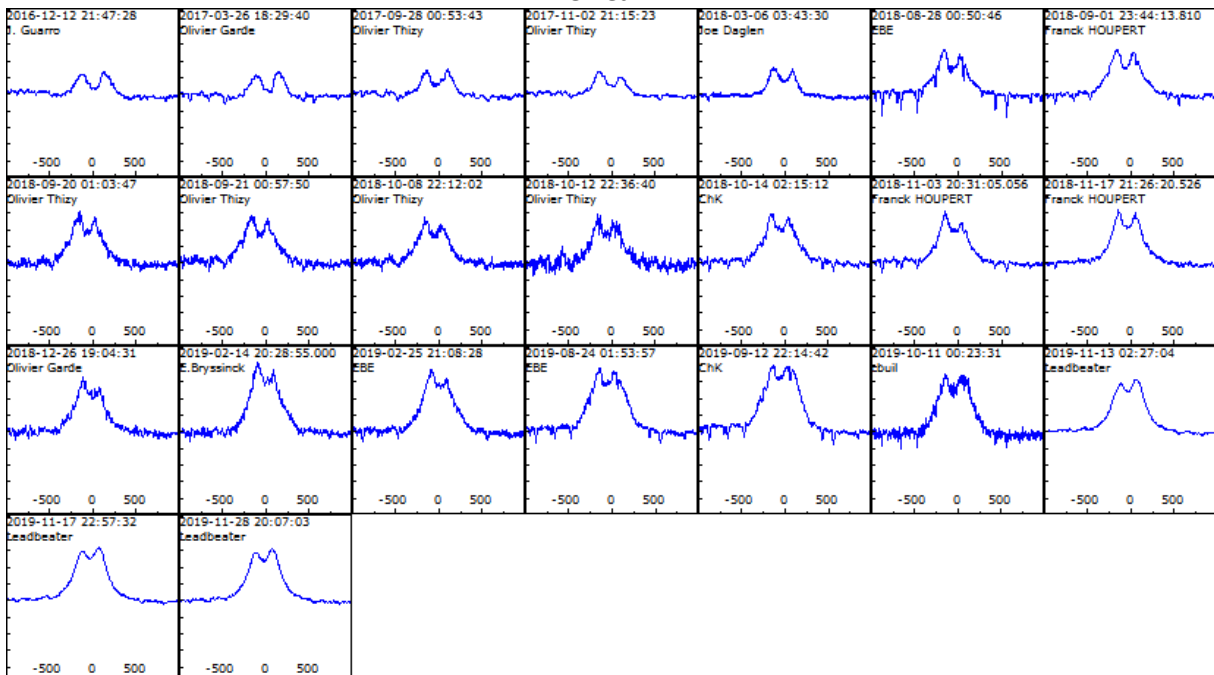


## Emission decrease of H-alpha line

V442 And

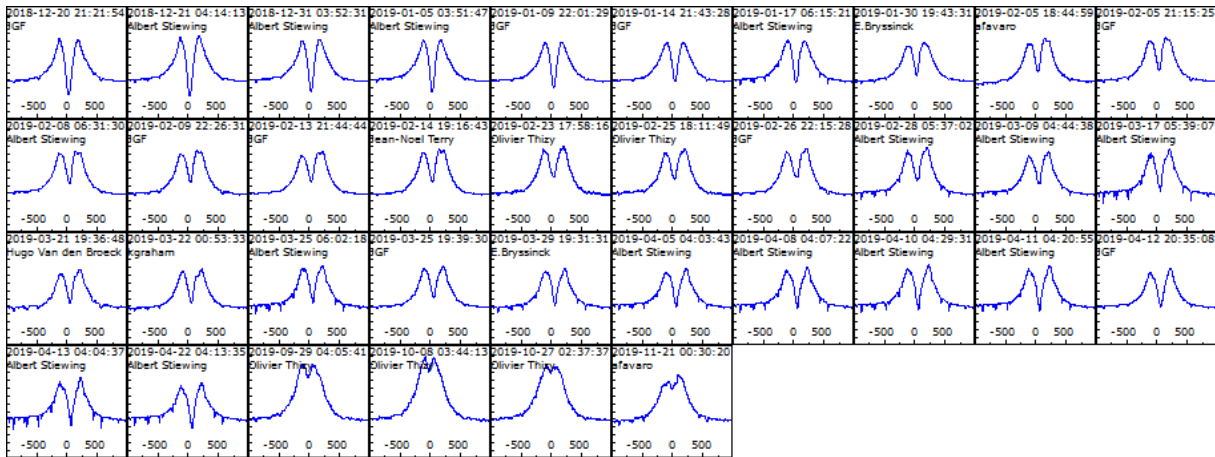


CT Cam

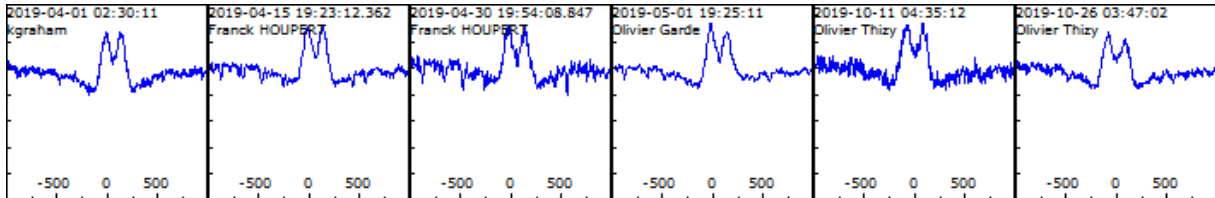




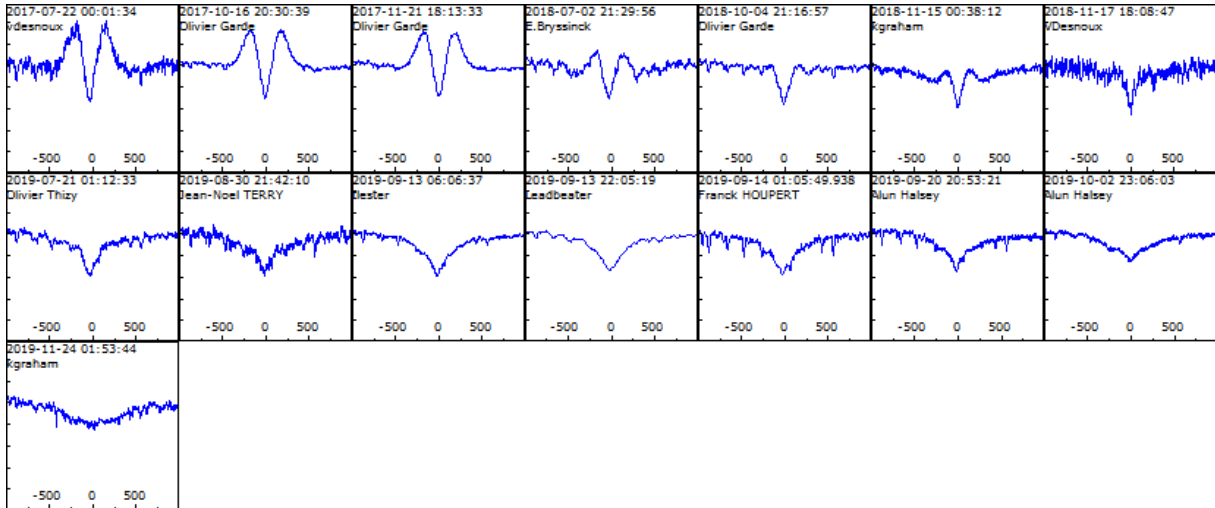
### zet Tau



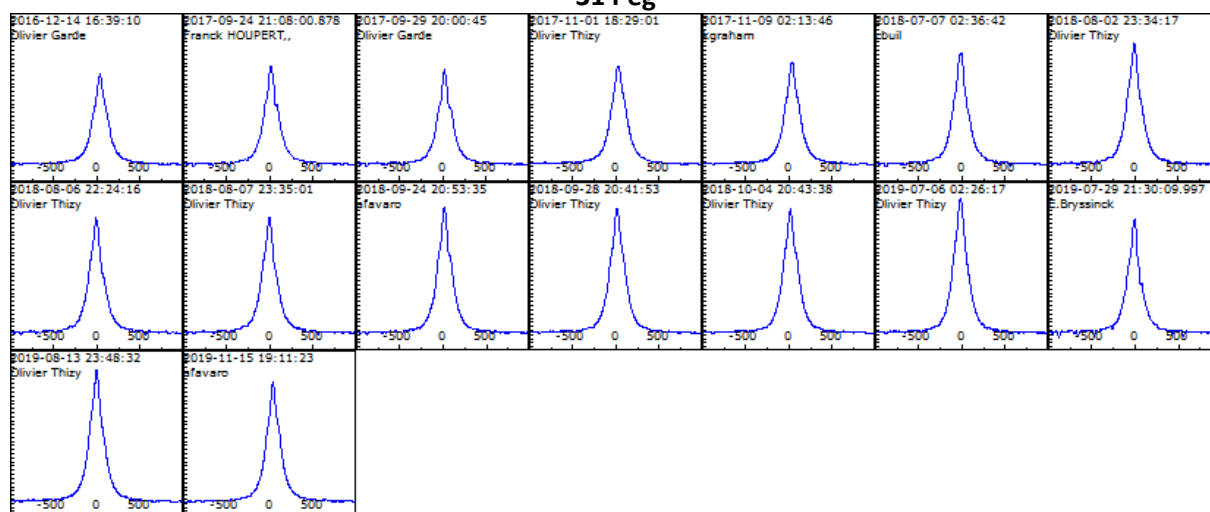
### OT Gem



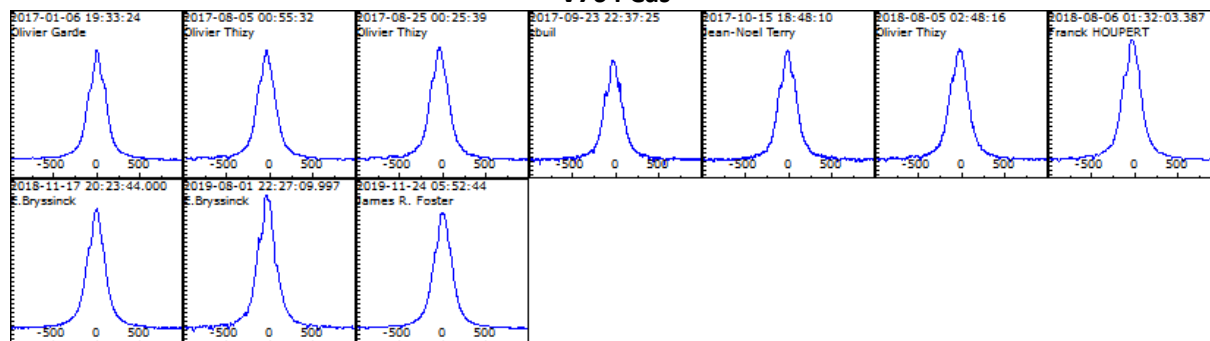
### V378 And



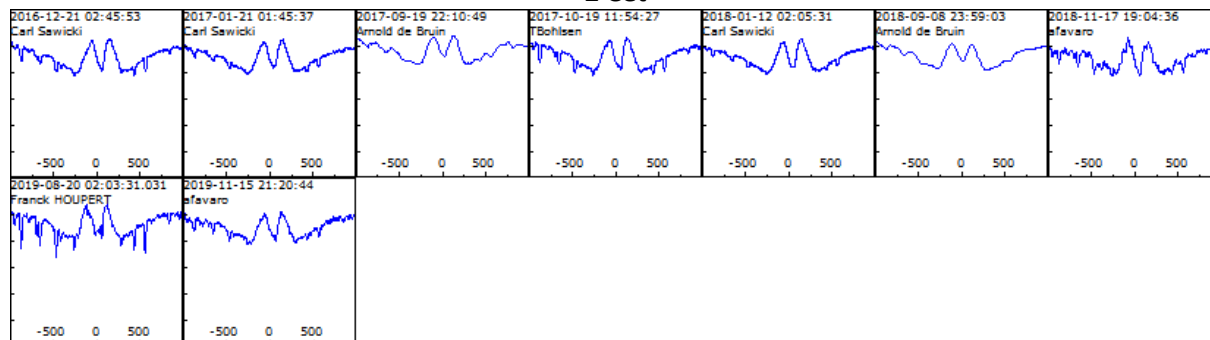
### 31 Peg



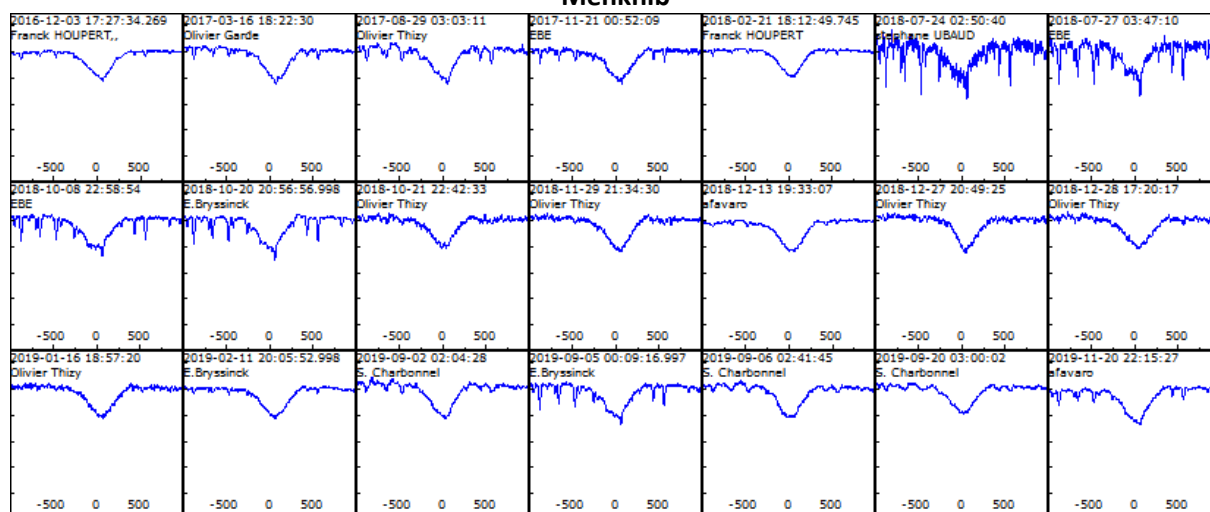
### V764 Cas



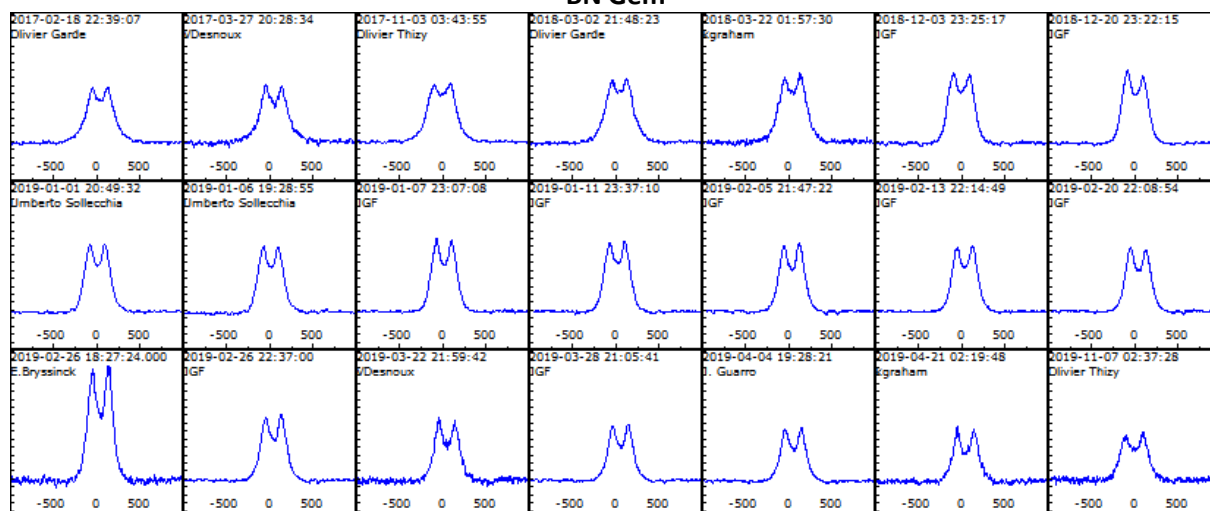
### 2 Cet



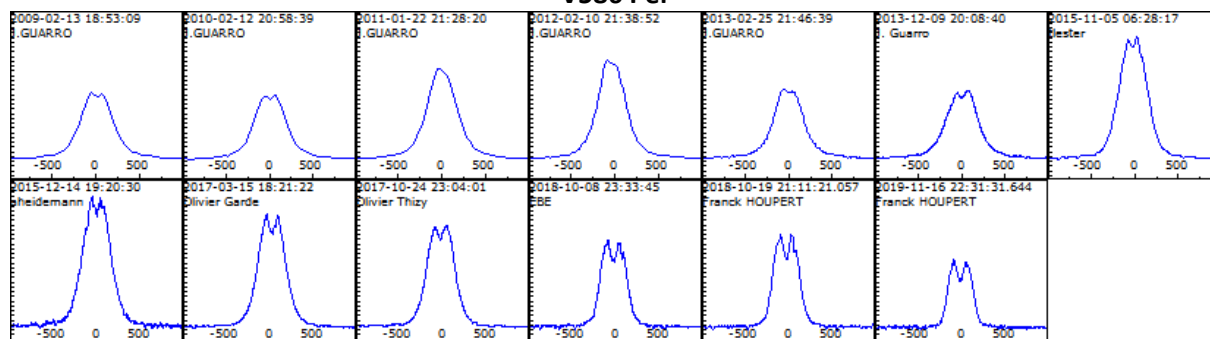
### Menkhib



### BN Gem



### V586 Per



### ***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/>