

# BeSS report – DEC 2018

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

- 54 stars were observed
- 16 Observers contributed this month
- 114 Spectra

## Observers...

Observateur	Nb spec
Thizy	27
Stiewing	15
Guarro Fló	13
Favaro	11
GARDE	10
Bohlsen	9
HOUPERT	8
Bryssinck	5
Sims	4
Sollecchia	4
Graham	3
Campos	2
Gurney	2
Charbonnel	1
<b>Total général</b>	<b>114</b>

## Events of the month...

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

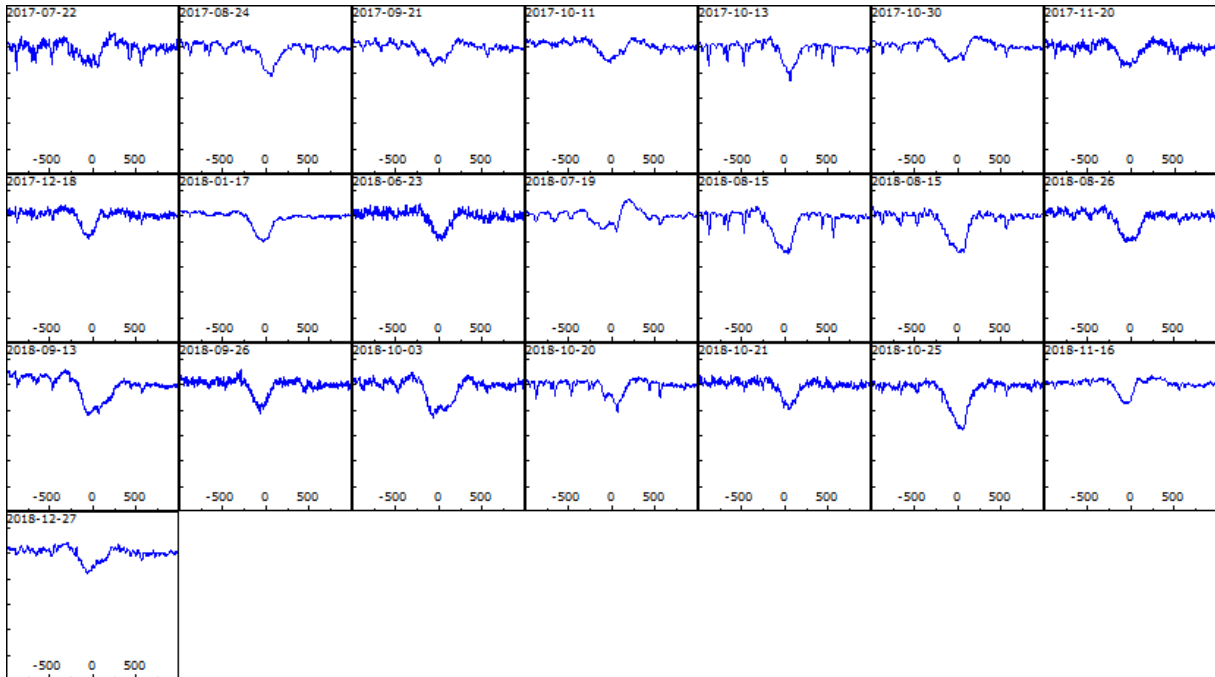
EE	ME	DE
14 Lac	CT Cam	V1165 Tau
OT Gem	15 Mon	25 Ori
V777 Cas	228 Eri	HD 21650
HD 19818	V696 Mon	HD 42406
BG Phe	12 Aur	V442 And
QR Vul	Menkhib	
V1307 Ori	56 Eri	
	omi And	
	phi And	
	pi Aqr	
	phi Per	

## Objects observed

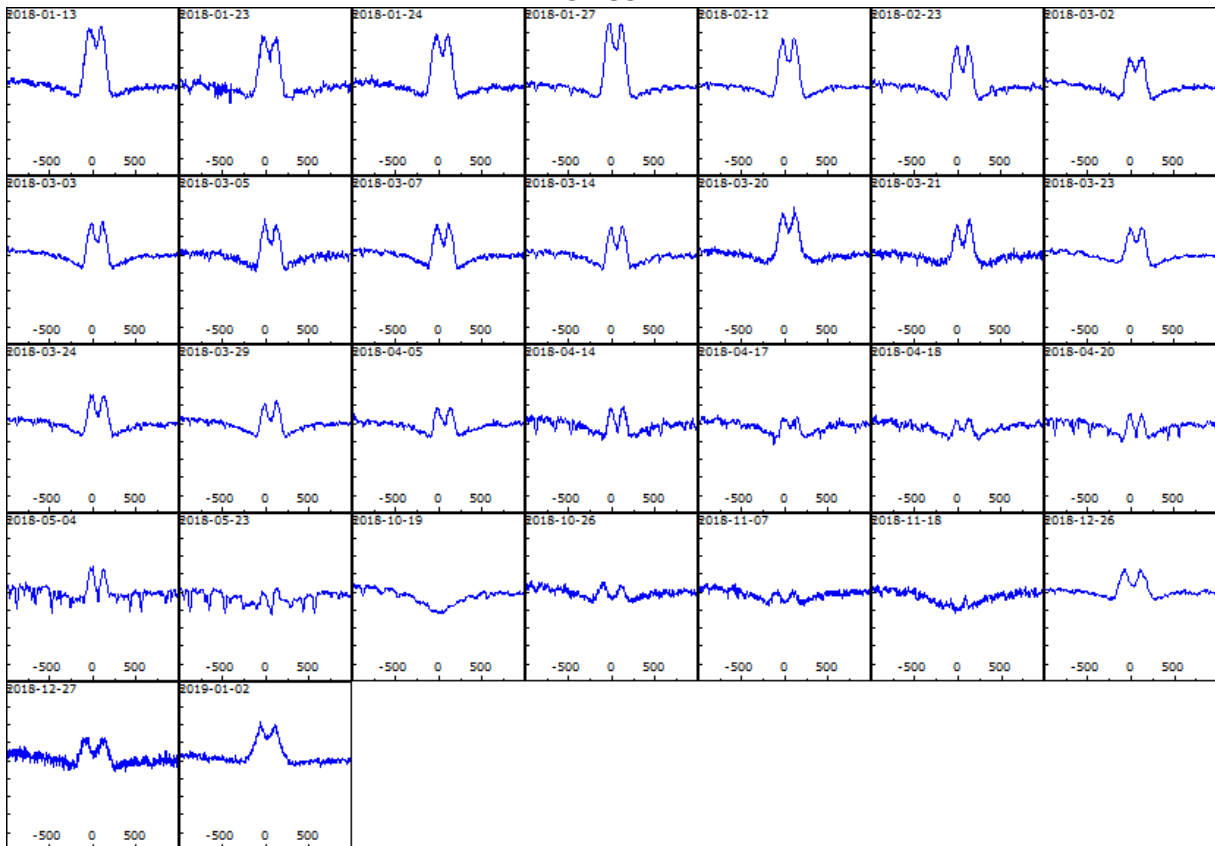
Classique							Herbig
V442 And	14 Lac	bet CMi	V777 Cas	V696 Mon	BG Phe	HD 14850	V1307 Ori
omi And	psi Per	ome Ori	25 Ori	2 Ori	BN Gem	HD 19818	V1410 Ori
phi And	zet Tau	V1165 Tau	lam Eri	12 Aur	bet Scl	HD 21620	
28 Cyg	ELECTRA	HD 79066	13 Tau	Menkhib	HD 42406	HD 20340	
QR Vul	HD 13867	phi Leo	228 Eri	43 Ori	56 Eri	HD 18552	
gam Cas	CT Cam	15 Mon	HD 21650	HD 21362	HD 29557	tet Ari	
pi Aqr	69 Ori	HD 22780	HD 50820	ACHERNAR	EM* StHA 198	5 Cnc	
PLEIONE	OT Gem	phi Per					

## Emission increase since last observations

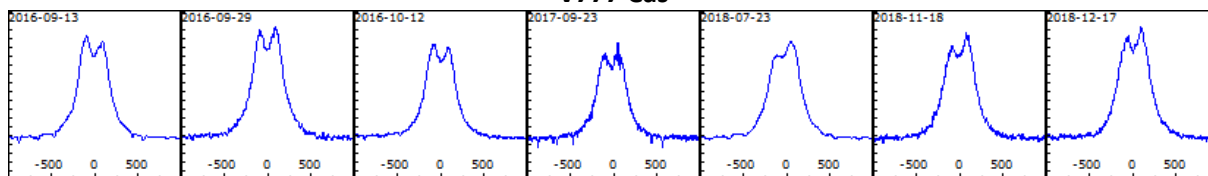
14 Lac



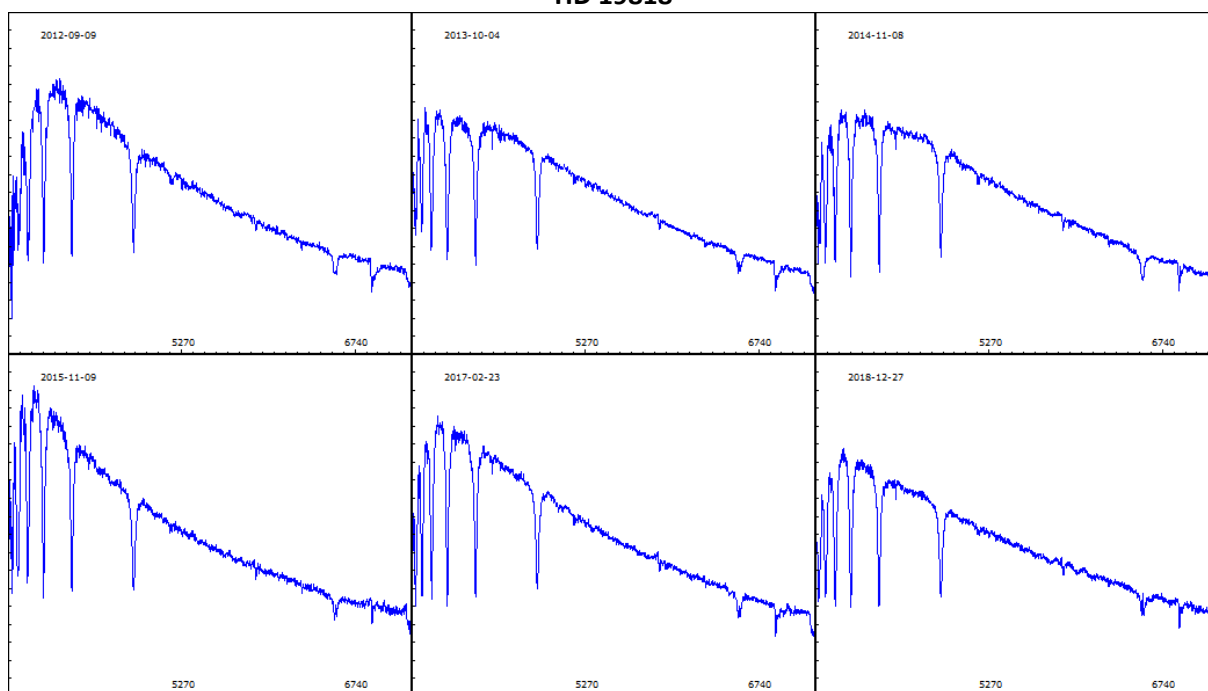
OT Gem



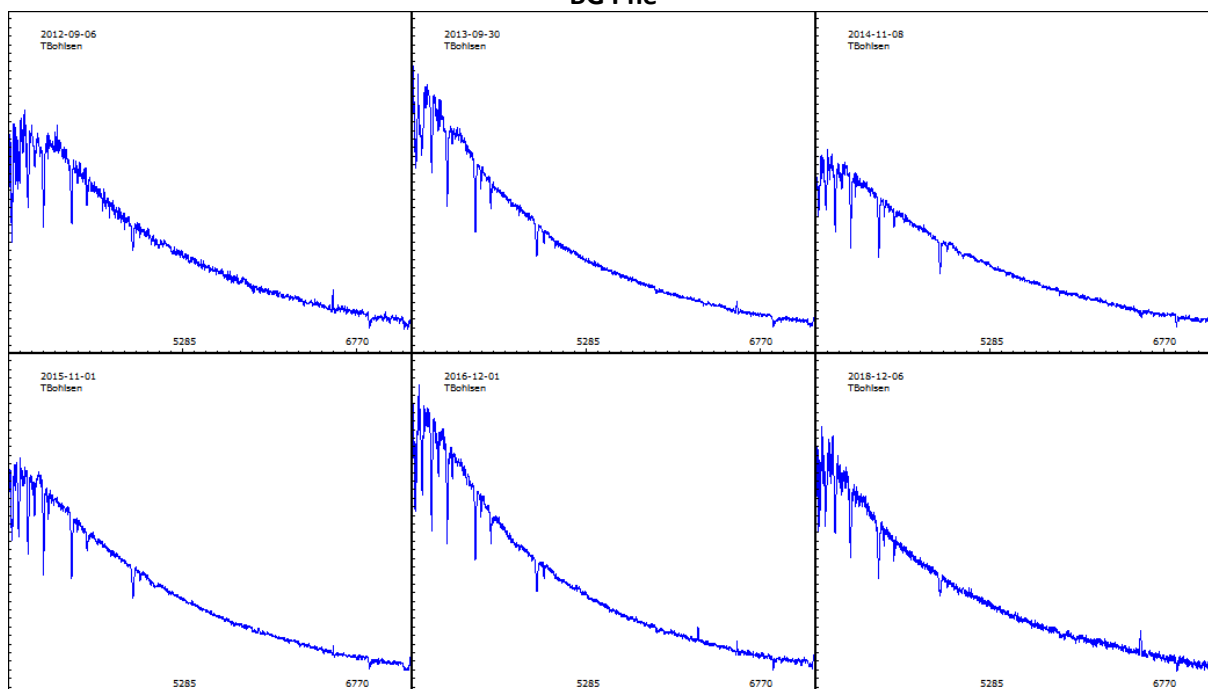
### V777 Cas



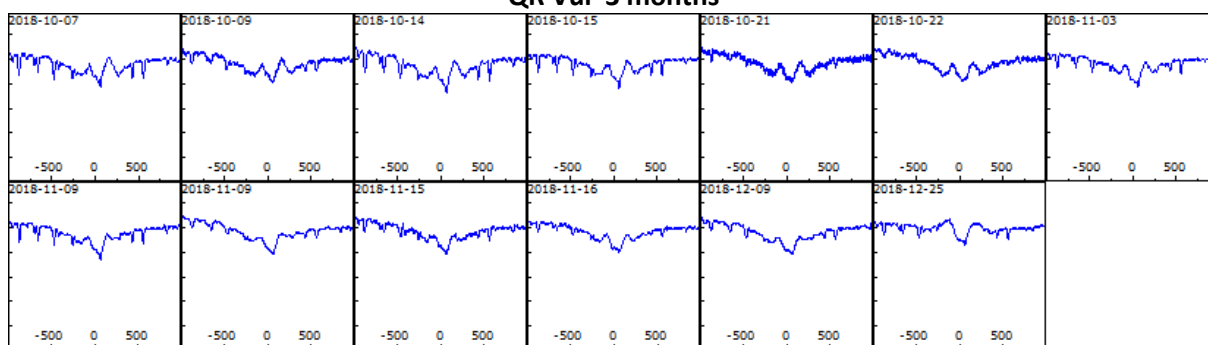
### HD 19818



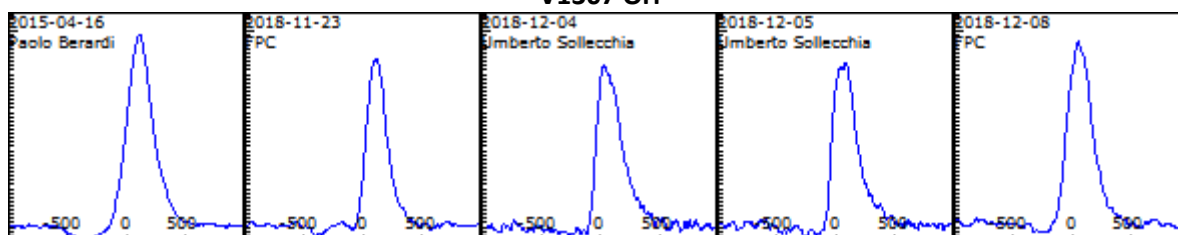
### BG Phe



QR Vul 3 months

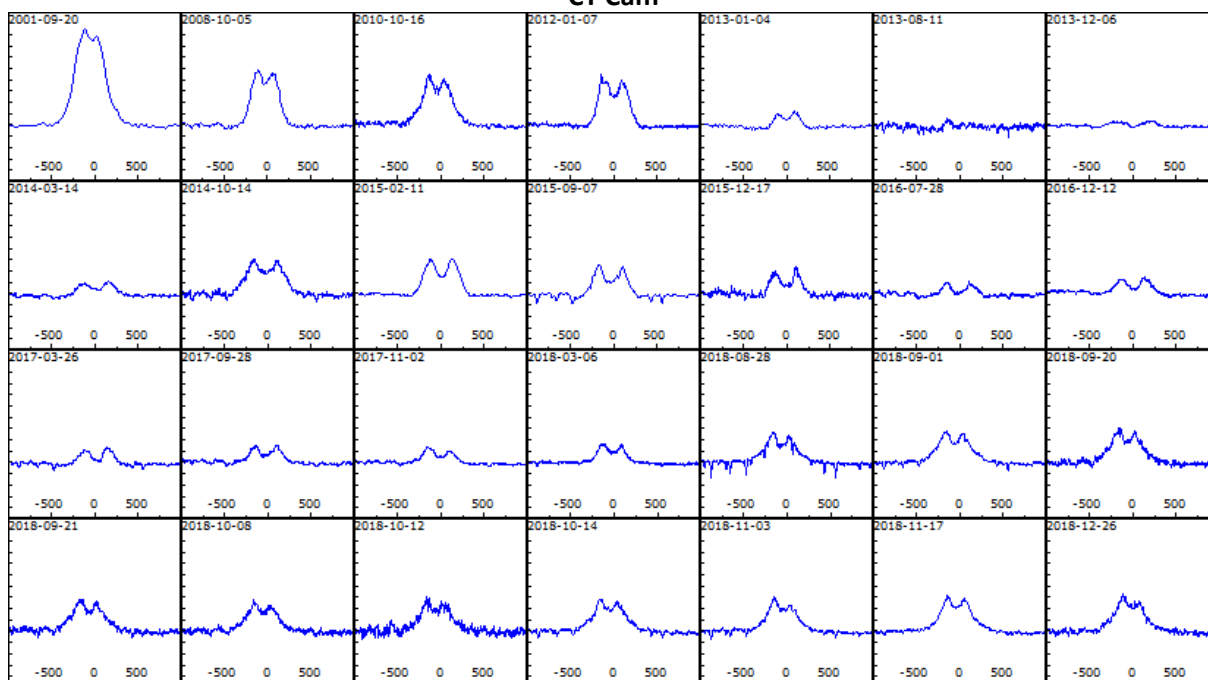


V1307 Ori

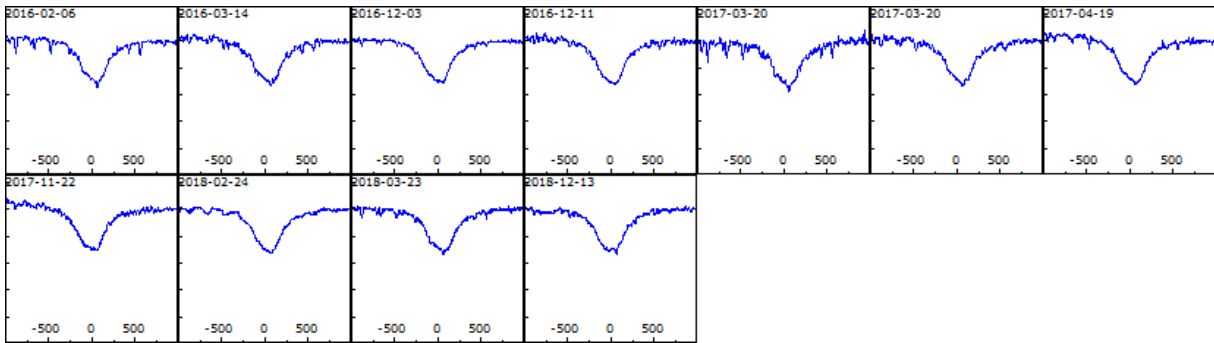


## Moderate evolutions of H-alpha line

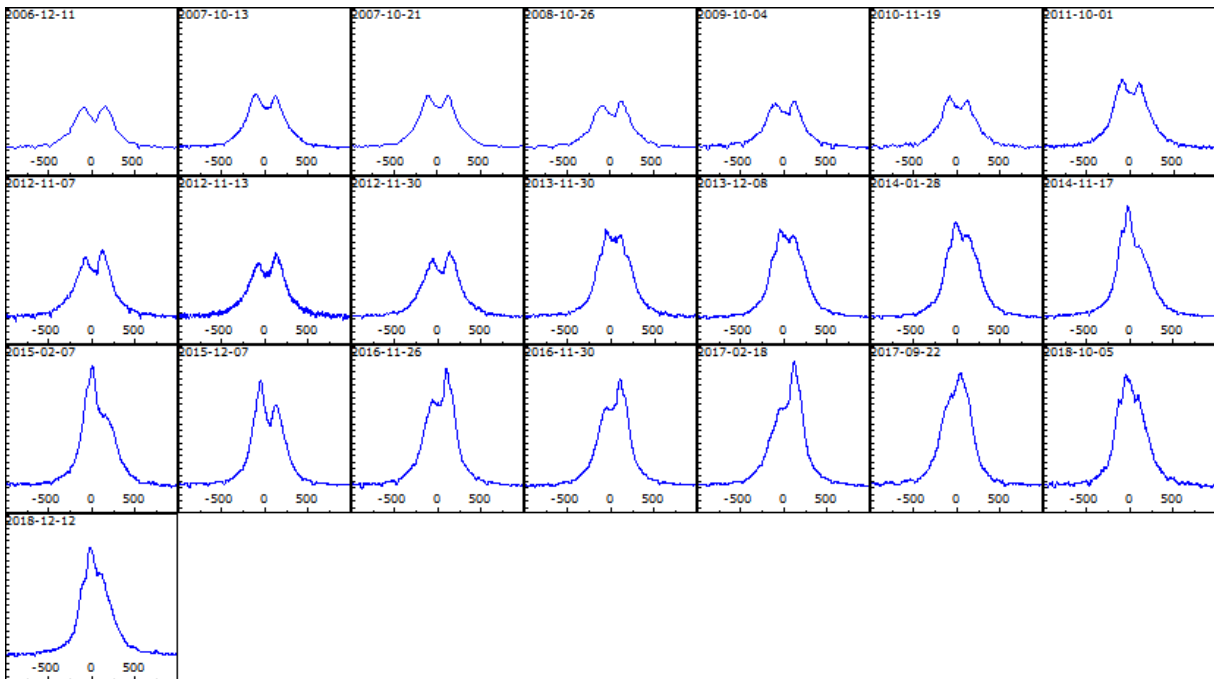
CT Cam



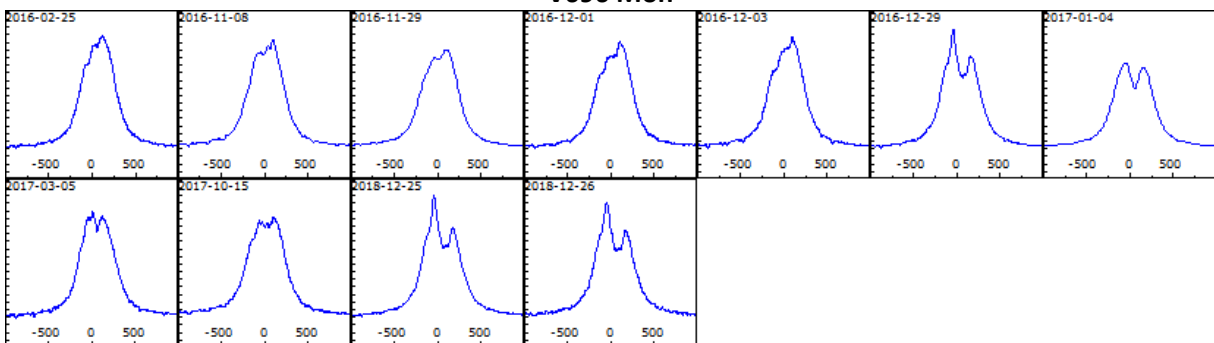
### 15 Mon



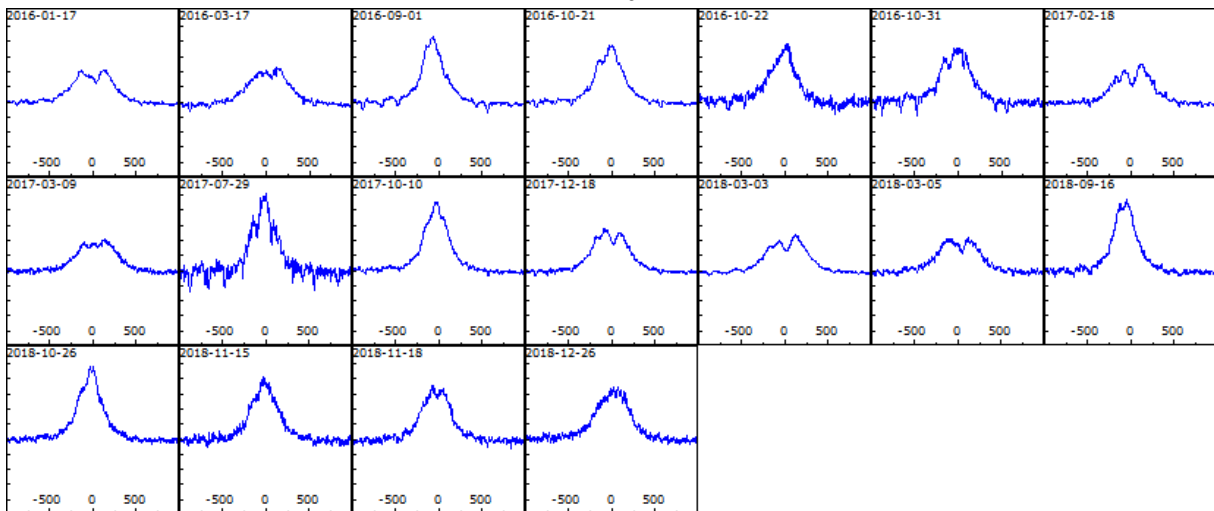
### 228 Eri



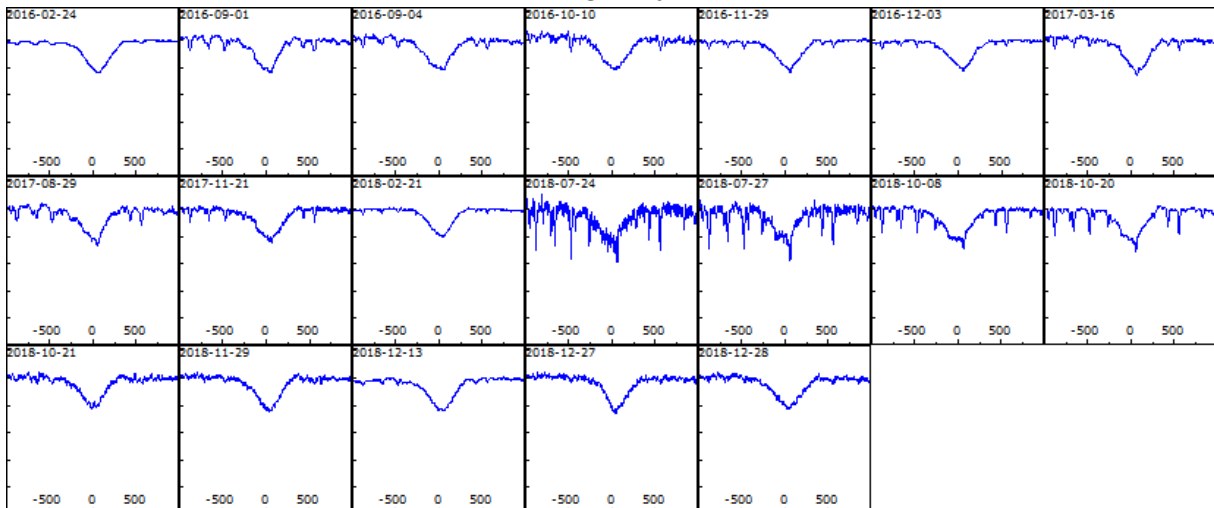
### V696 Mon



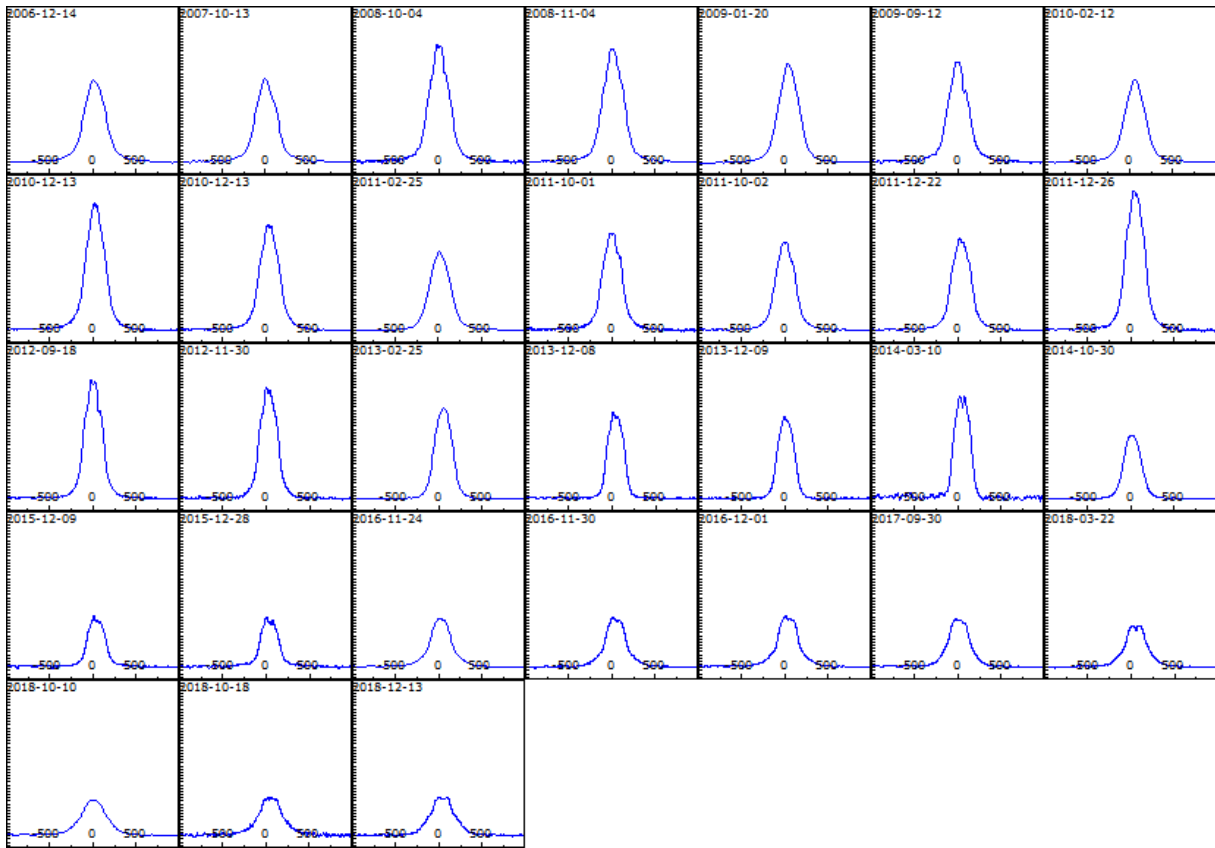
### 12 Aur



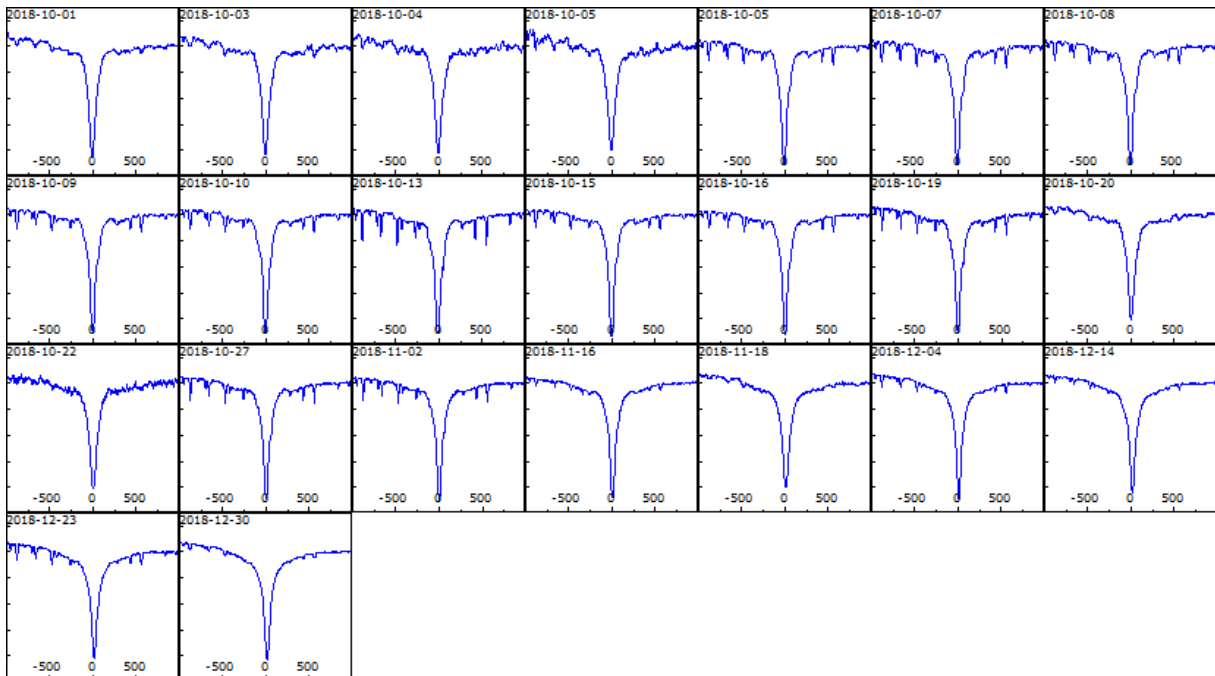
### Menkhib



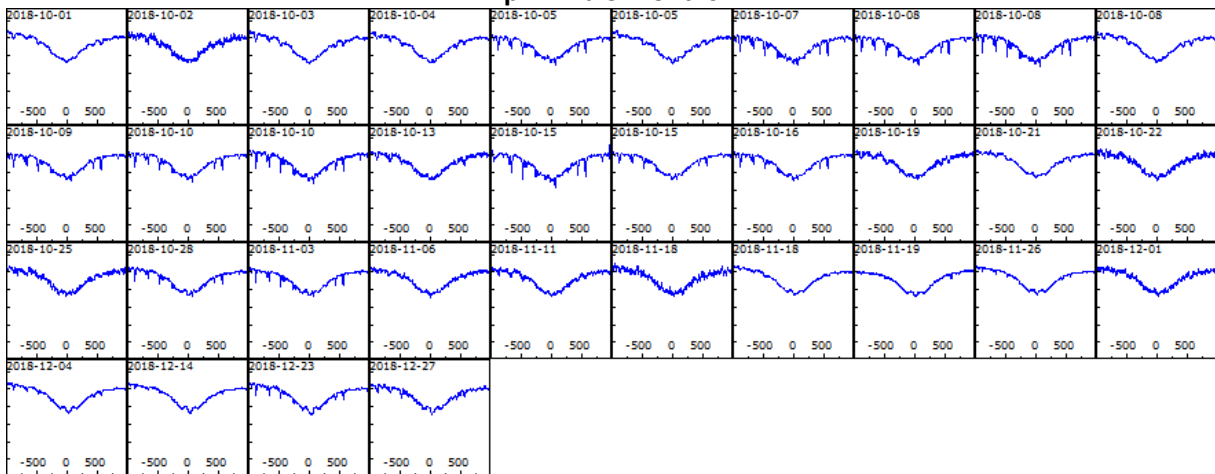
### 56 Eri



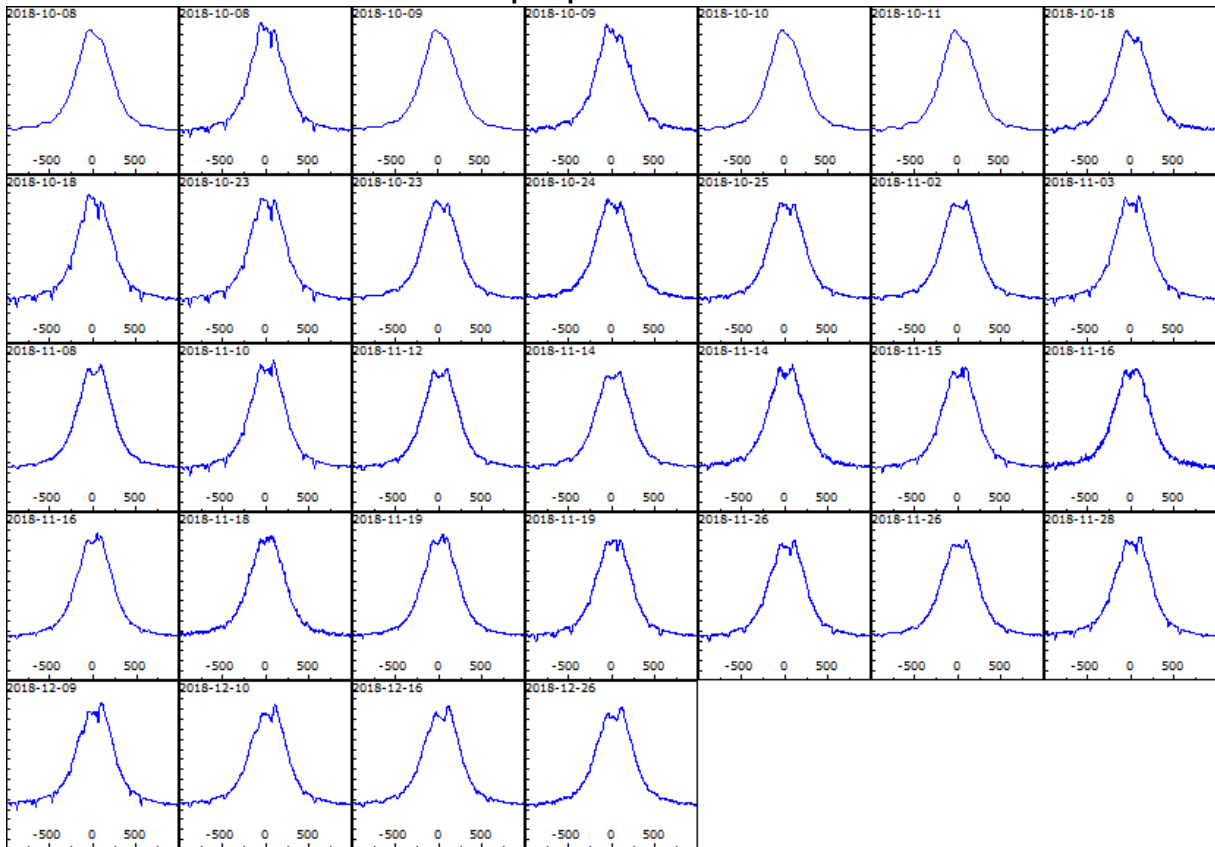
### omi And 3 months



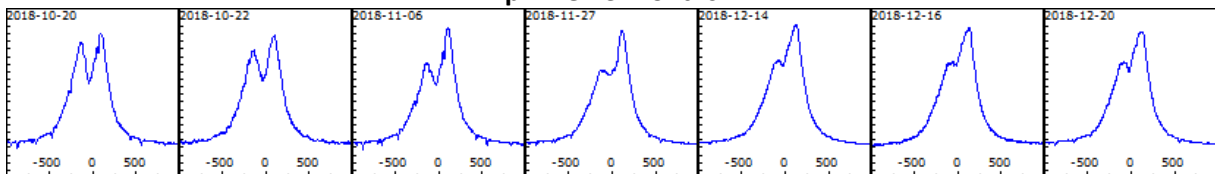
**phi And 3 months**



**pi Aqr 3 months**



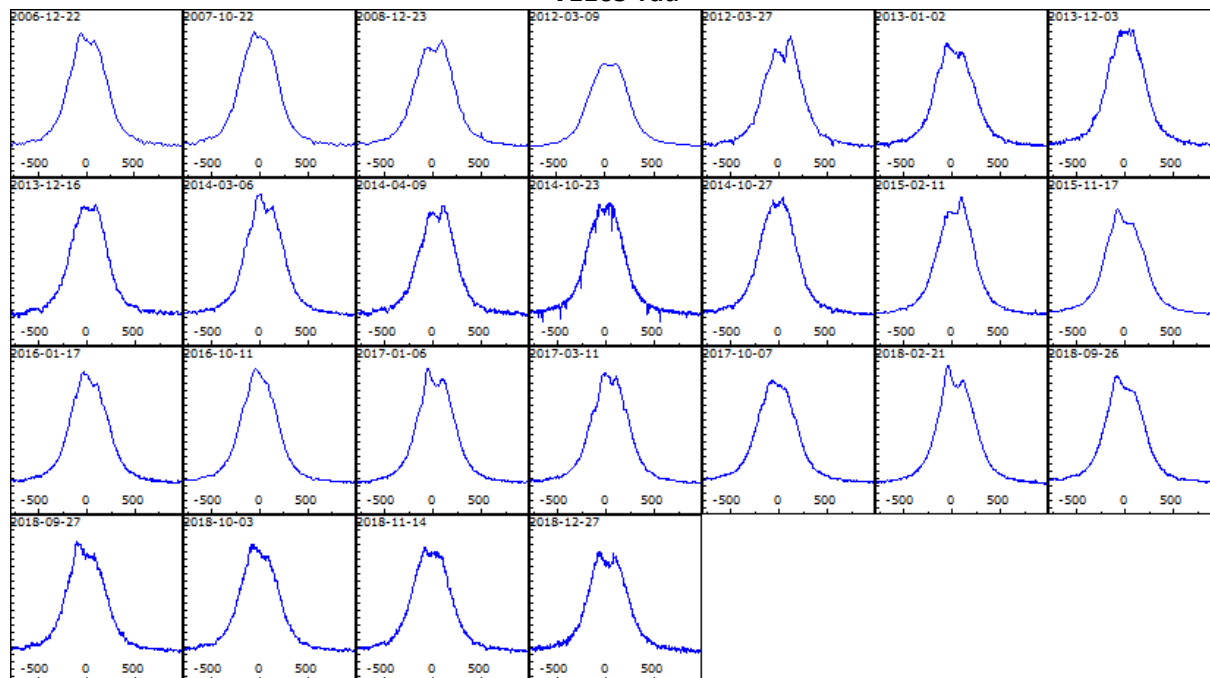
**phi Per 3 months**



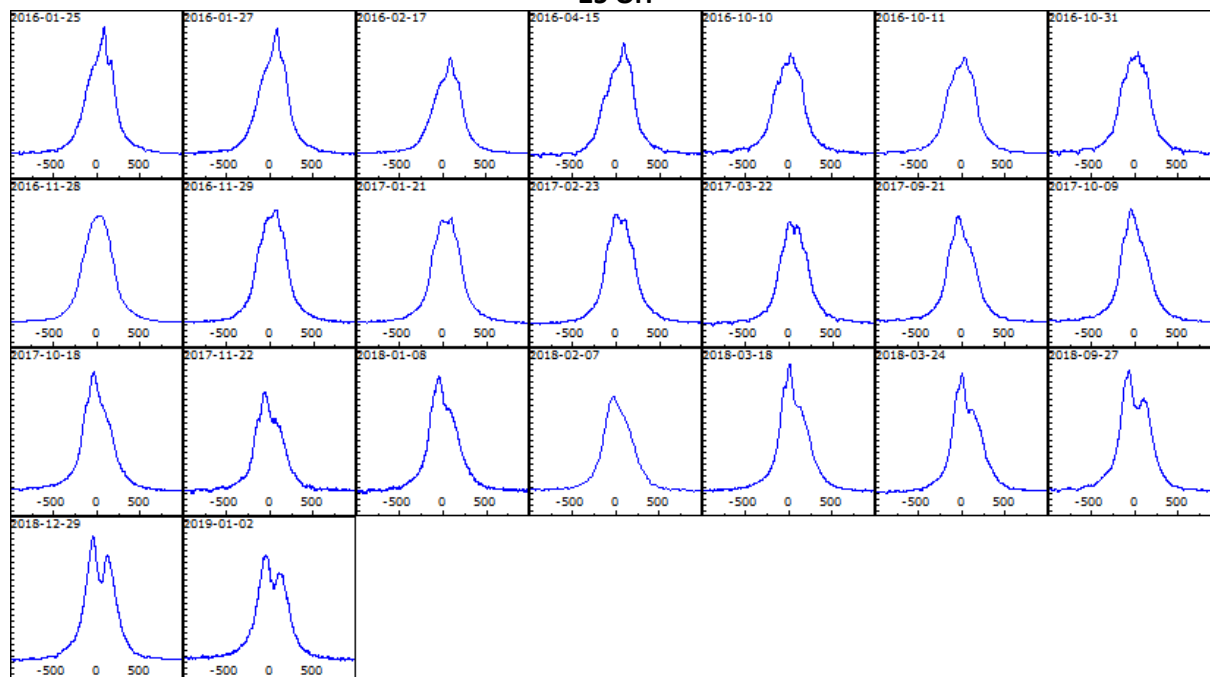


## Emission decrease of H-alpha line

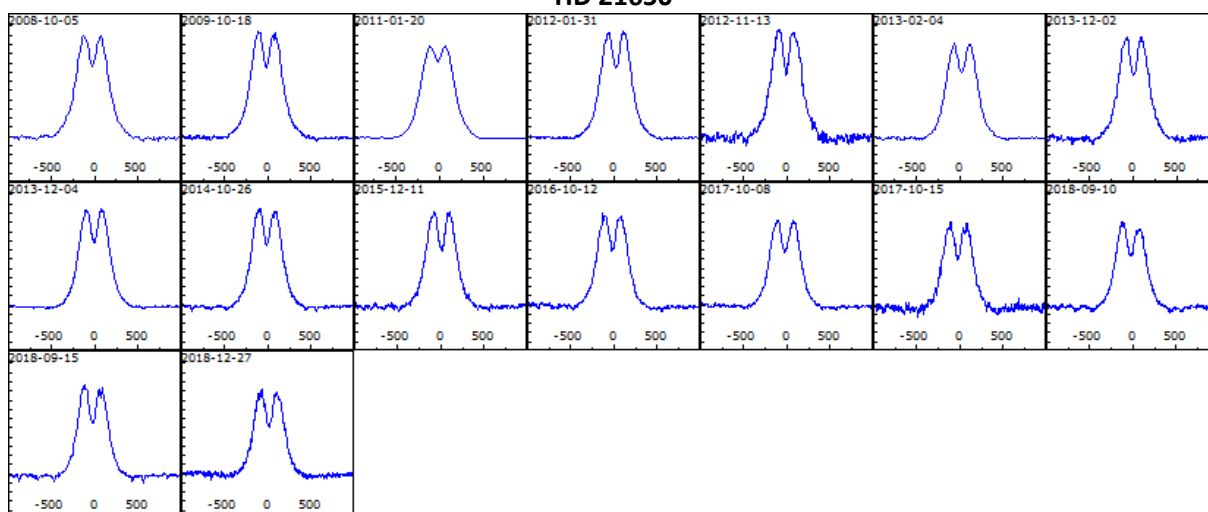
V1165 Tau



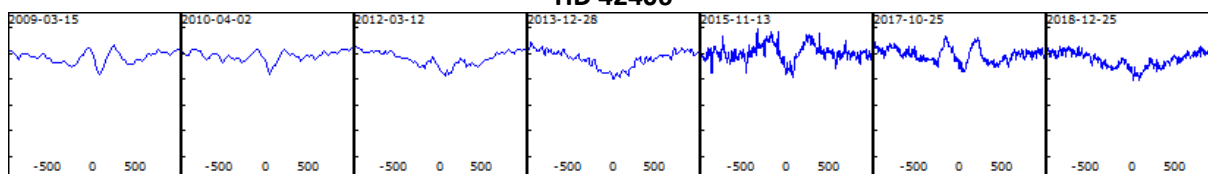
25 Ori



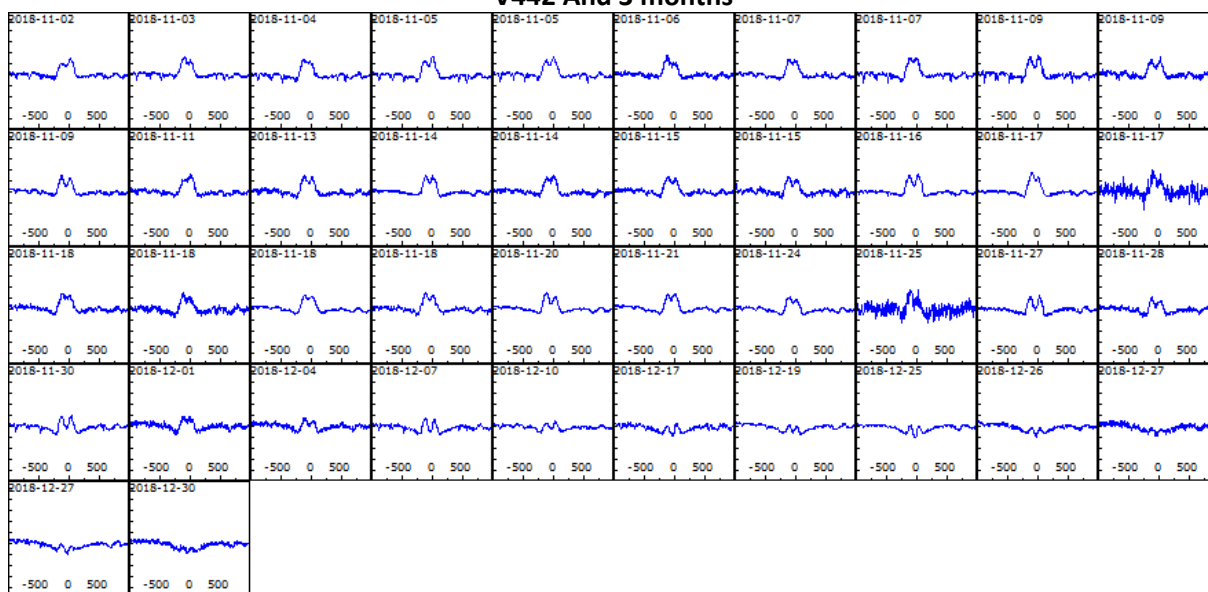
### HD 21650



### HD 42406



### V442 And 3 months



### 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/>