



BeSS report – February 2024

H-alpha monitoring

Data compiled by
Valérie Desnoux

Repository
<http://valerie.desnoux.free.fr/BeSS/>

109

Stars

162

Spectra

9

Observers

Events of the month...

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

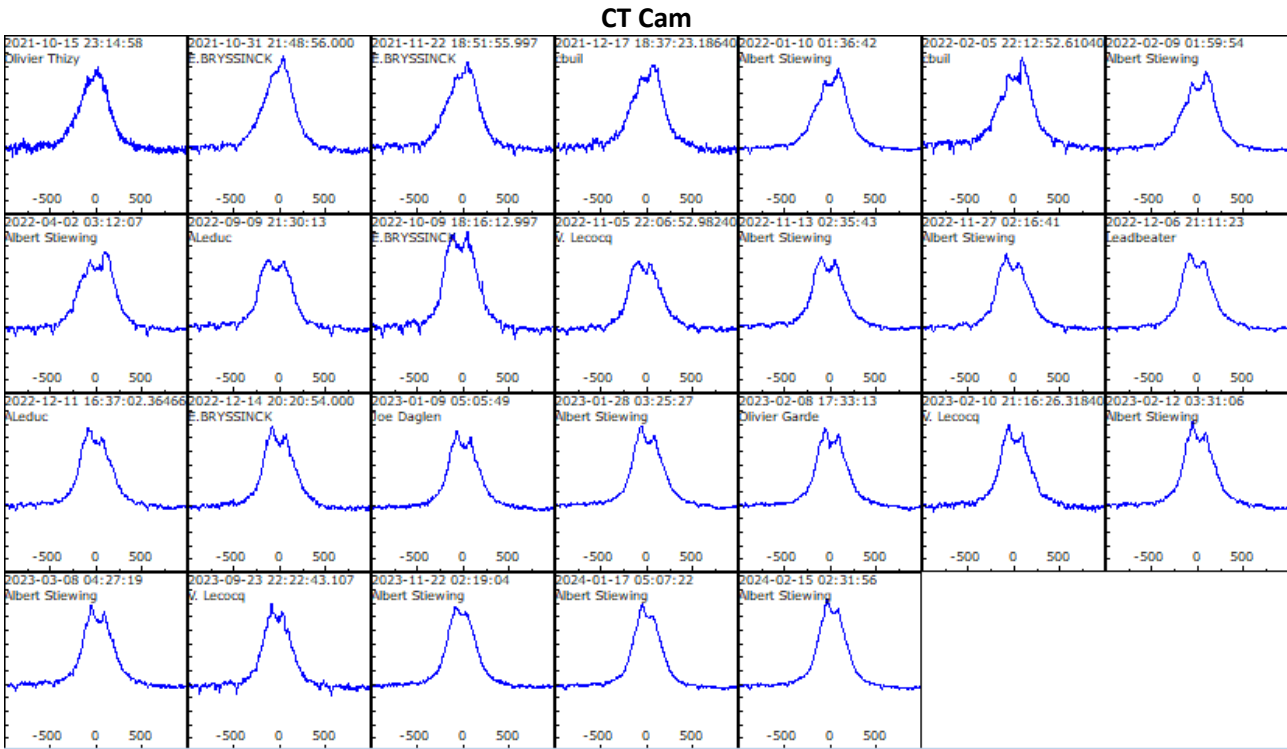
Observateur	Nb spec
Charbonnel Le	
Dû GARDE Mulato Petit	95
Stiewing	24
James	20
Guarro Fló	14
Bryssinck	4
AUMENTE LEON	2
Blais	1
Foschino	1
Ventura	1
Total général	162

EE	ME	DE
CT Cam	V351 Ori	V856 Sco
V864 Ara	HD 135344	Iam Eri
V518 Car	PLEIONE	CR Cam
V862 Sco	OT Gem	V787 Cas
	omi Pup	FY CMa
	ups Sgr	HL Lib
	zet Crv	V817 Cen
	GP Vir	HD 225095
	kap Dra	V413 Aur
	HD 57682	RW Tau
	f Car	HD 68468
		RY Gem
		HD 43703
		ome CMa
		V1077 Sco
		HD 139431
		HD 144965
		HV Lup
		V3894 Sgr

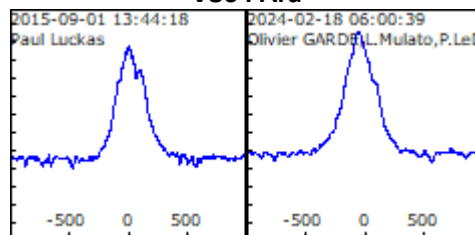
Objects observed

Classique							Herbig
V442 And	PLEIONE	CT Cam	ELECTRA	gam Cas	lam Eri	CR Cam	HD 38120
zet Tau	OT Gem	MEROPE	11 Cam	V414 Aur	105 Tau	ALCYONE	V700 Mon
omi Pup	nu Gem	V750 Ara	66 Oph	ups Sgr	HD 169033	V787 Cas	V351 Ori
FY CMa	zet Crv	GP Vir	kap Dra	HD 79066	I Hya	17 Sex	V856 Sco
phi Leo	HD 76868	HL Lib	ome Car	4 Her	V817 Cen	HD 91120	HD 135344
HD 87543	HD 153262	V1369 Ori	HD 61224	HD 225095	V413 Aur	ACHERNAR	B[e]
RW Tau	V378 Pup	HD 68468	RY Gem	HD 81357	PZ Gem	V695 Mon	I Pup
HD 127617	HD 69168	HD 68423	OY Hya	HD 71510	HD 43703	HD 152541	
V864 Ara	ome CMa	27 CMa	HD 57682	j Cen	E Car	f Car	
HD 79621	J Vel	p Car	V507 Car	HD 93563	HD 84567	V518 Car	
V863 Cen	V1077 Sco	V370 Pup	HD 37541	HD 81753	r Pup	IU Vel	
HD 154218	HD 146444	V1078 Sco	V956 Sco	HD 140926	PQ Pup	HD 139431	
HD 144965	HV Lup	HD 147302	HD 156398	V3894 Sgr	DR Cha	V392 Pup	
HD 75081	V468 Pup	NO CMa	HD 49319	HD 72067	HD 109857	HD 88825	
V862 Sco	HD 69404	HD 252904	HD 55200	HD 151113			

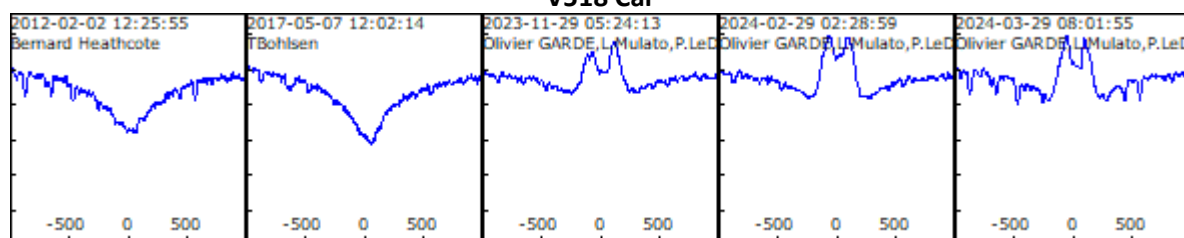
Emission increase since last observations



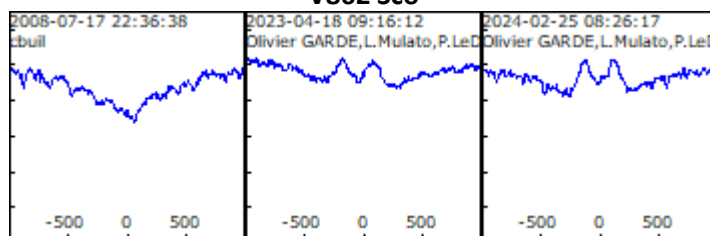
V864 Ara



V518 Car

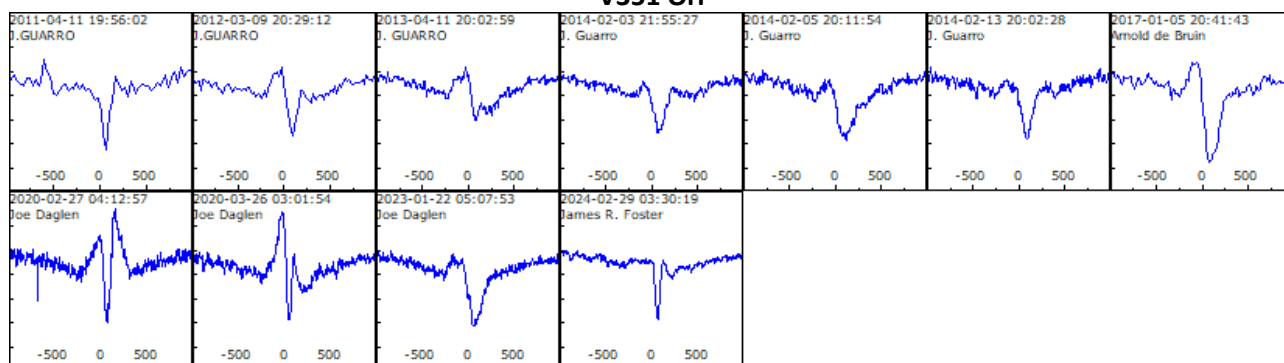


V862 Sco

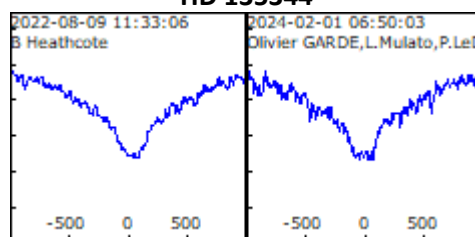


Moderate evolution of H-alpha line

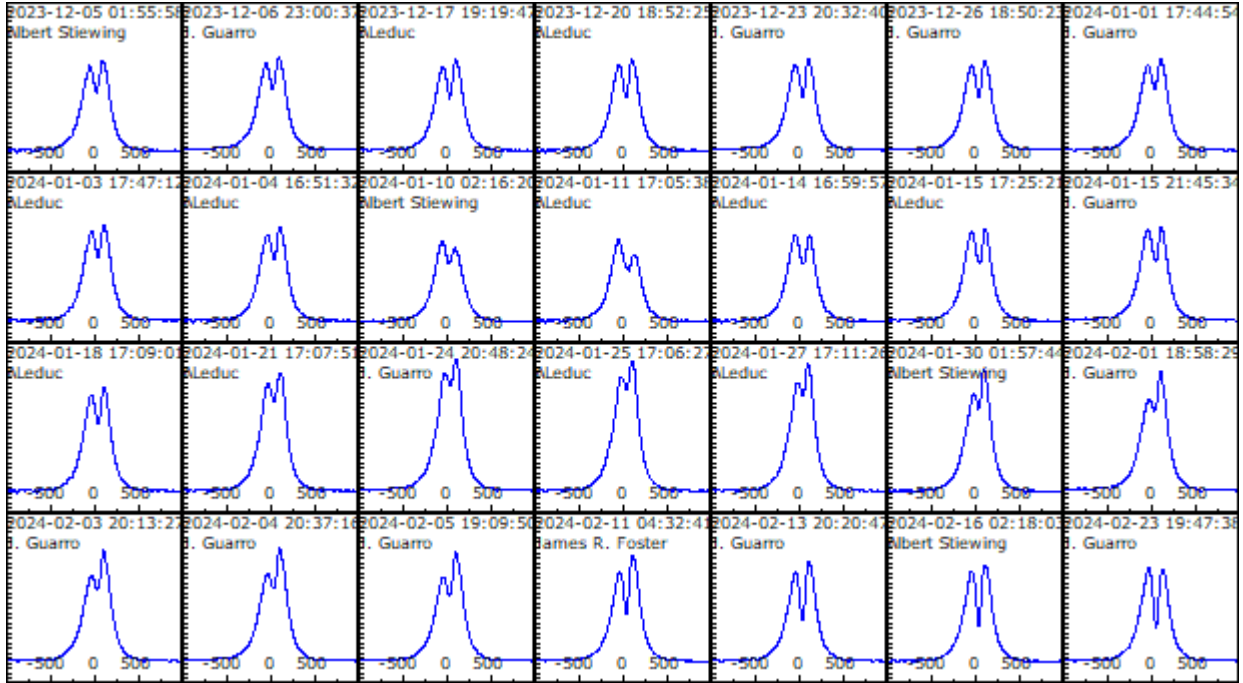
V351 Ori



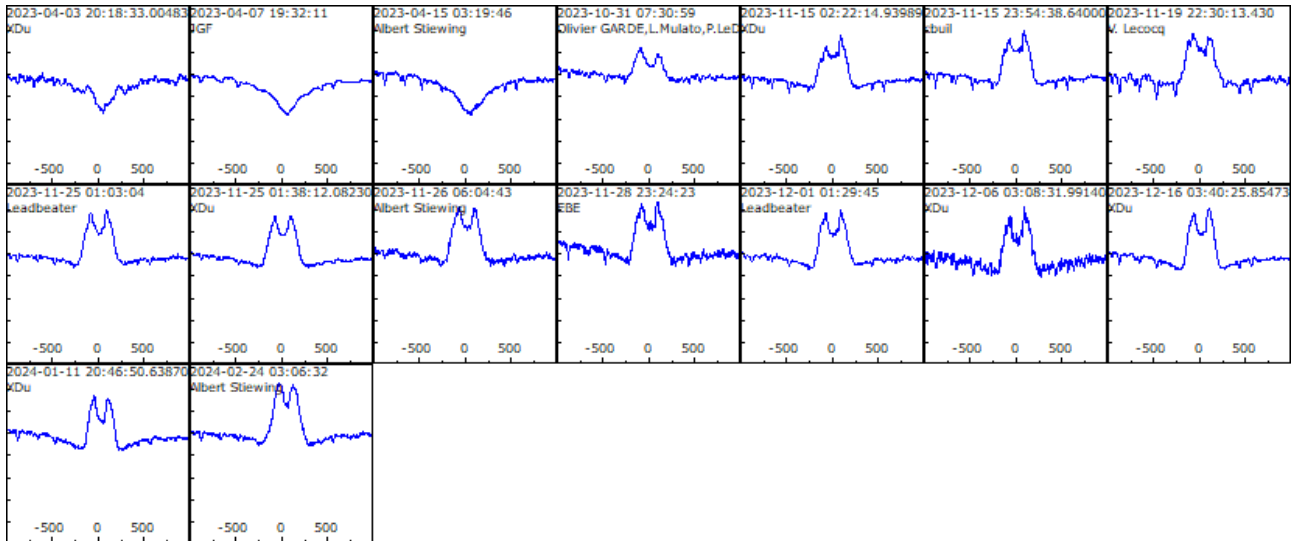
HD 135344



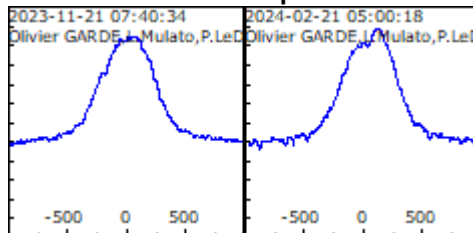
PLEIONE



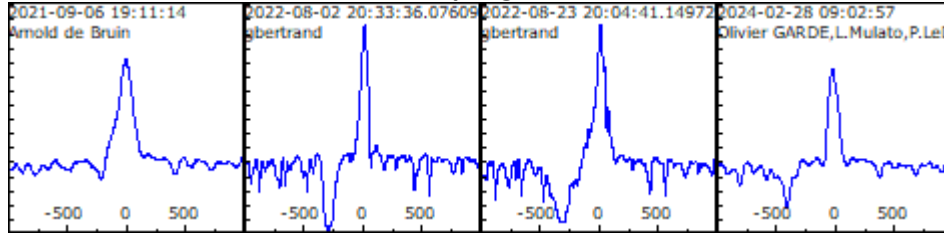
OT Gem



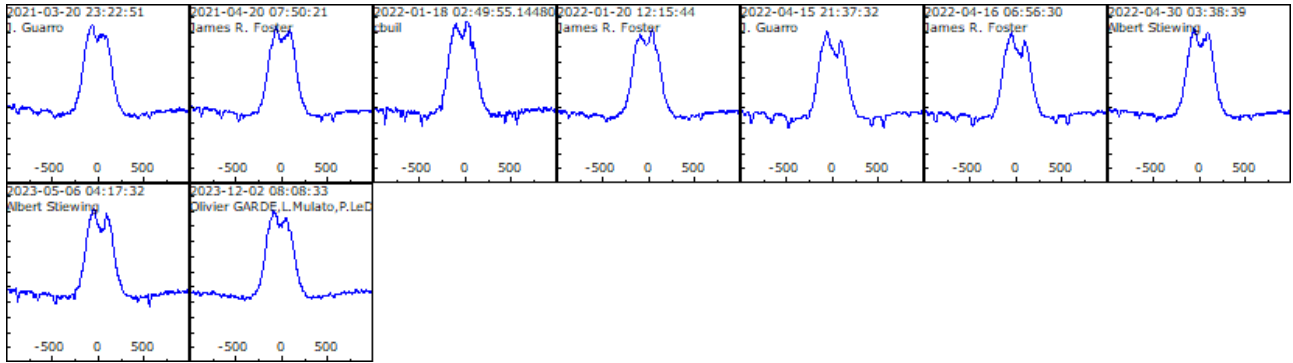
omi Pup



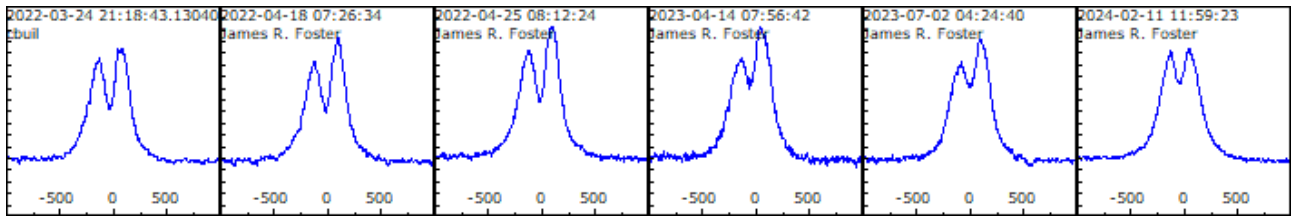
ups Sgr



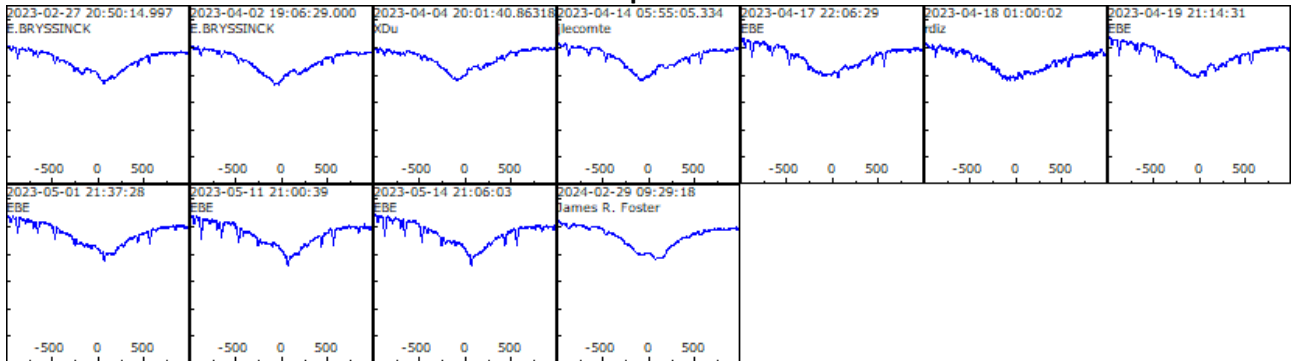
zet Crv



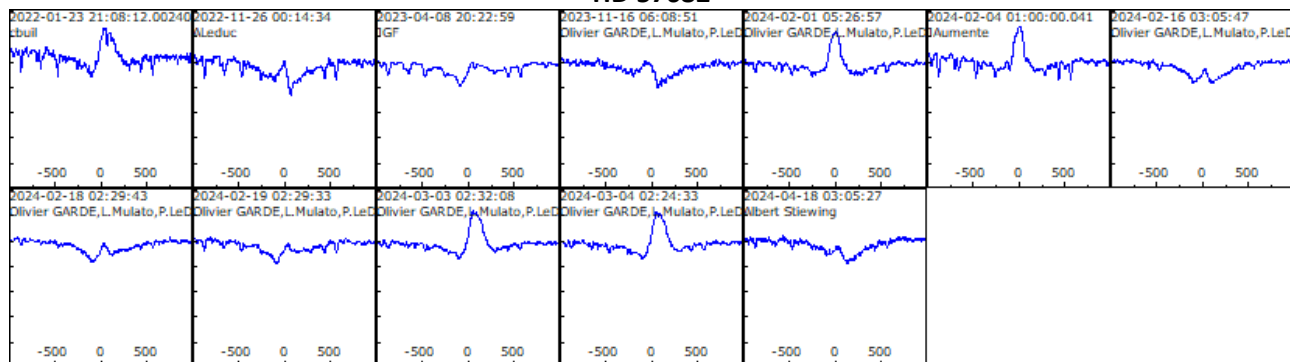
GP Vir



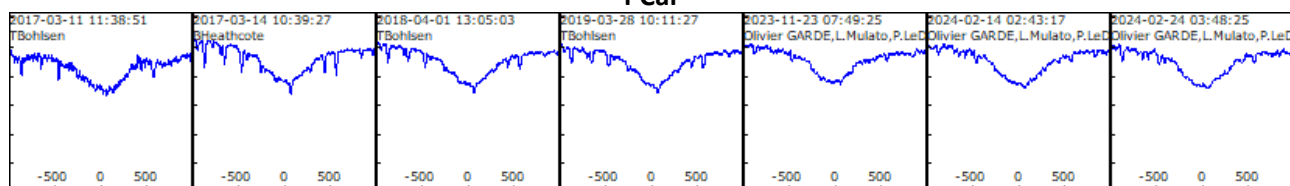
kap Dra



HD 57682

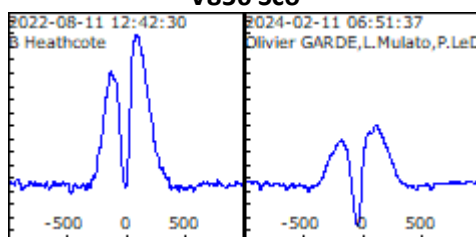


f Car

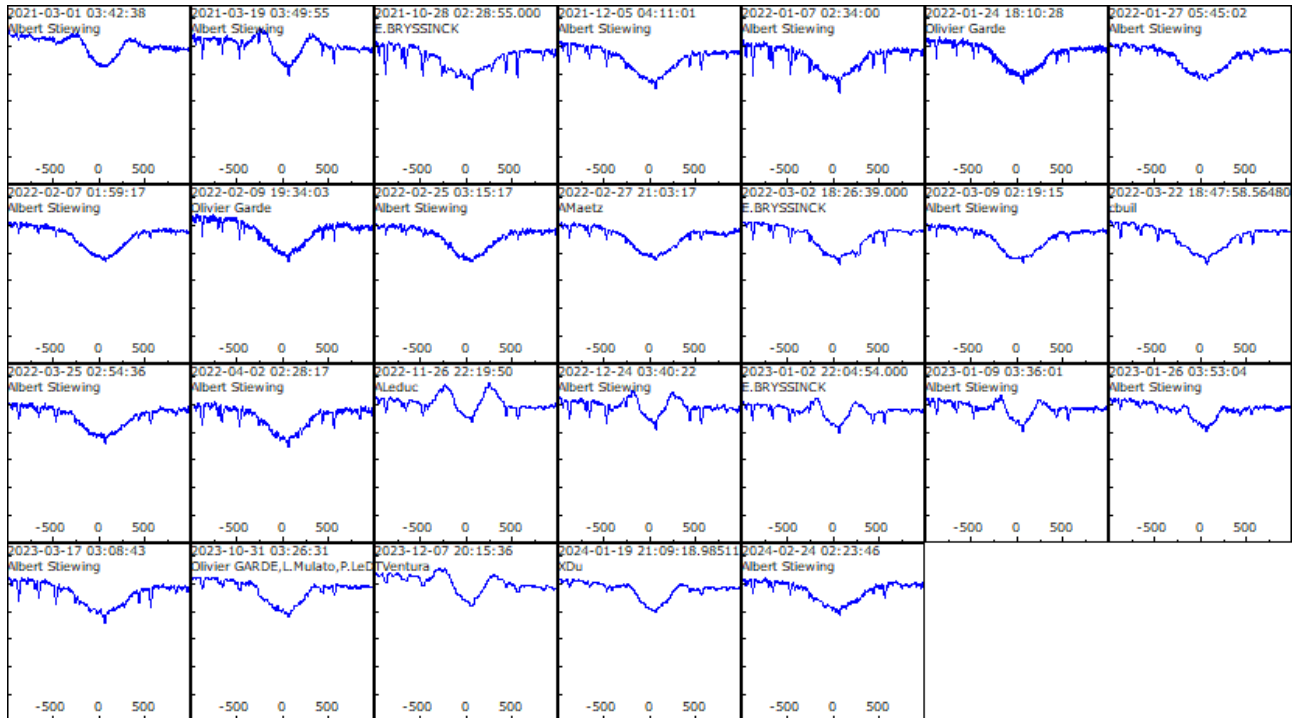


Emission decrease of H-alpha line

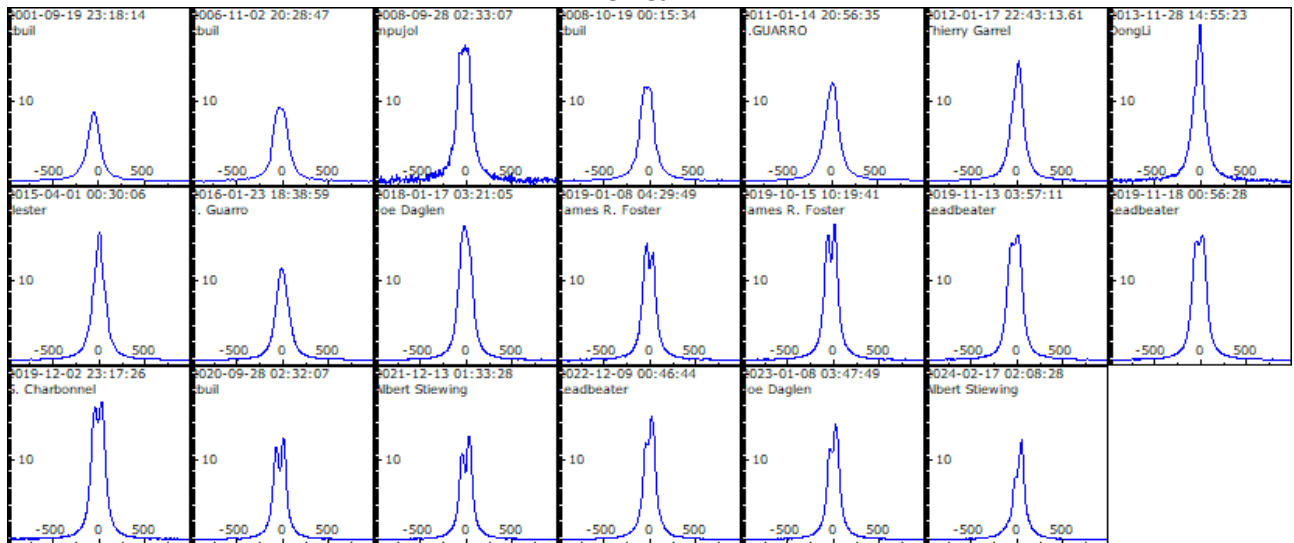
V856 Sco



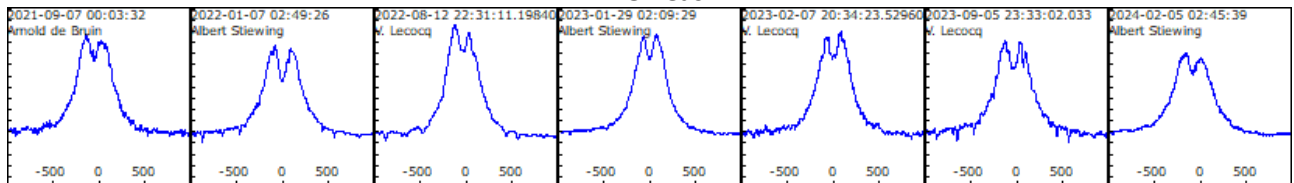
Iam Eri



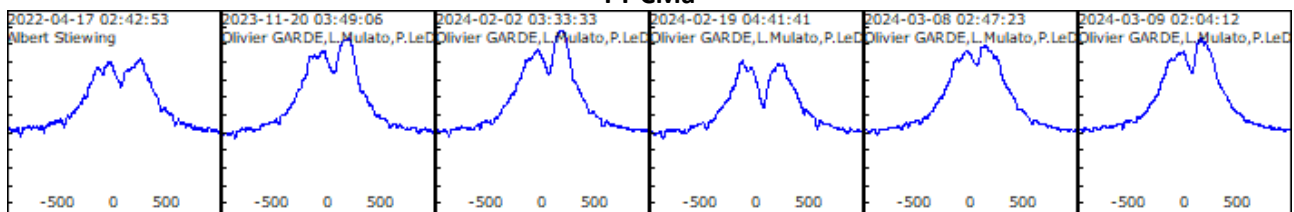
CR Cam



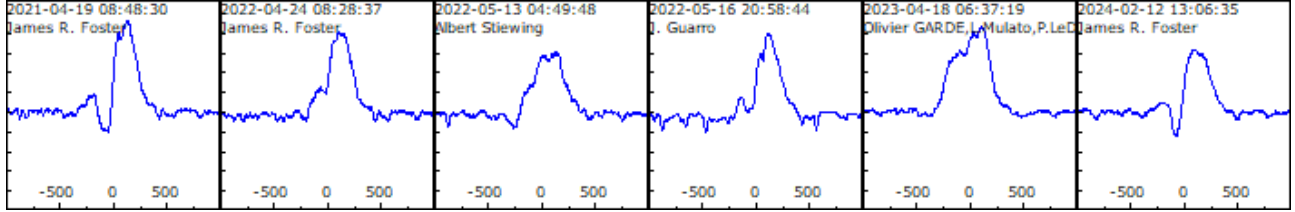
V787 Cas



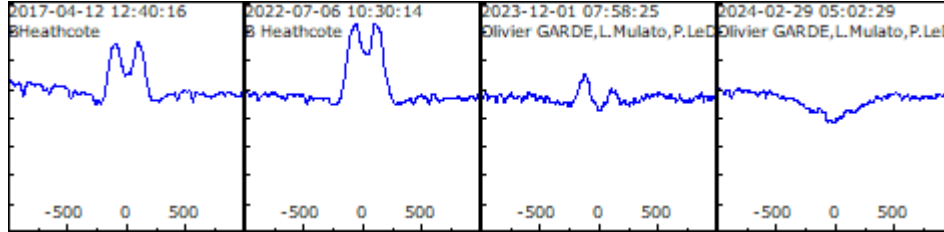
FY CMa



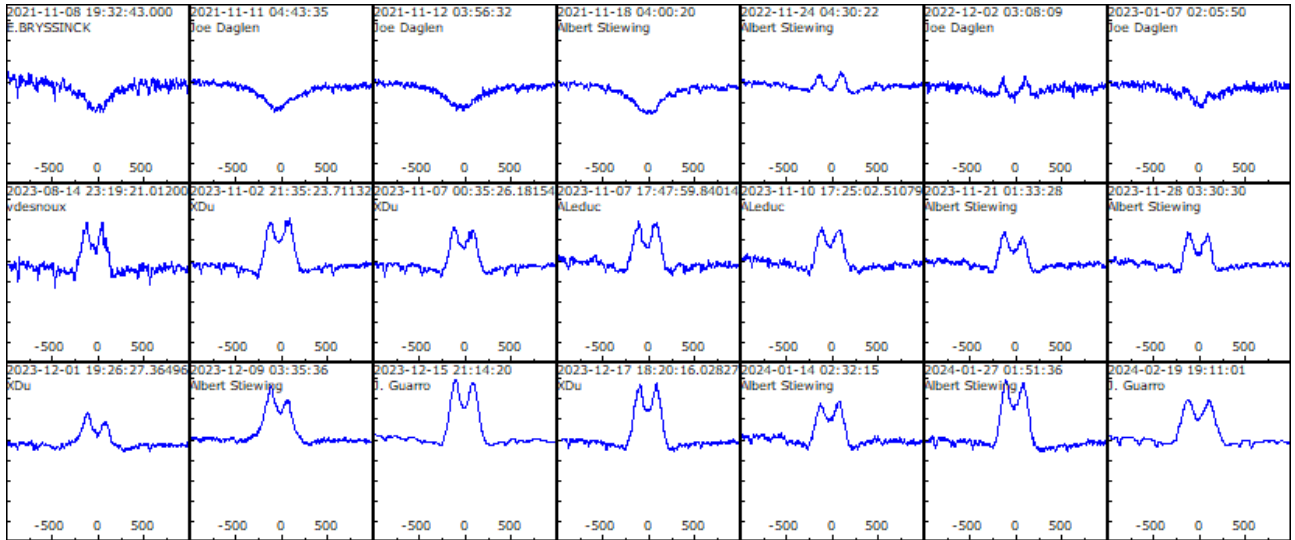
HL Lib



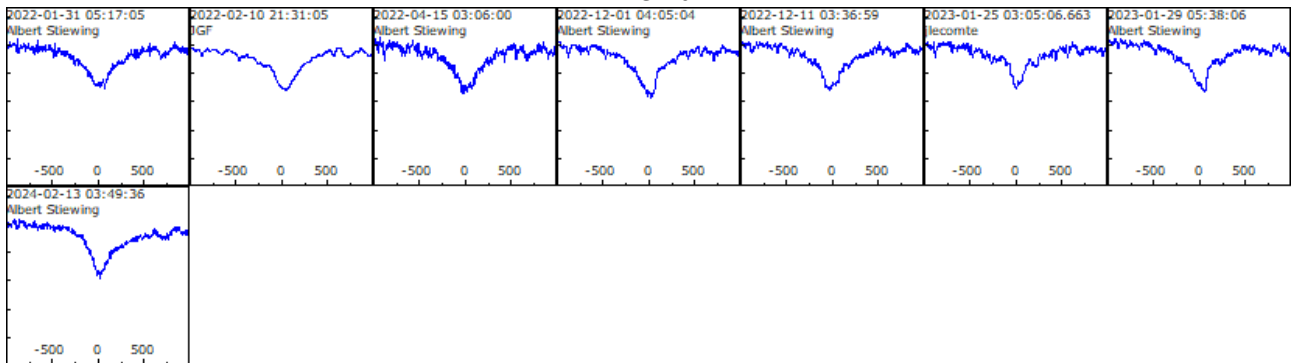
V817 Cen



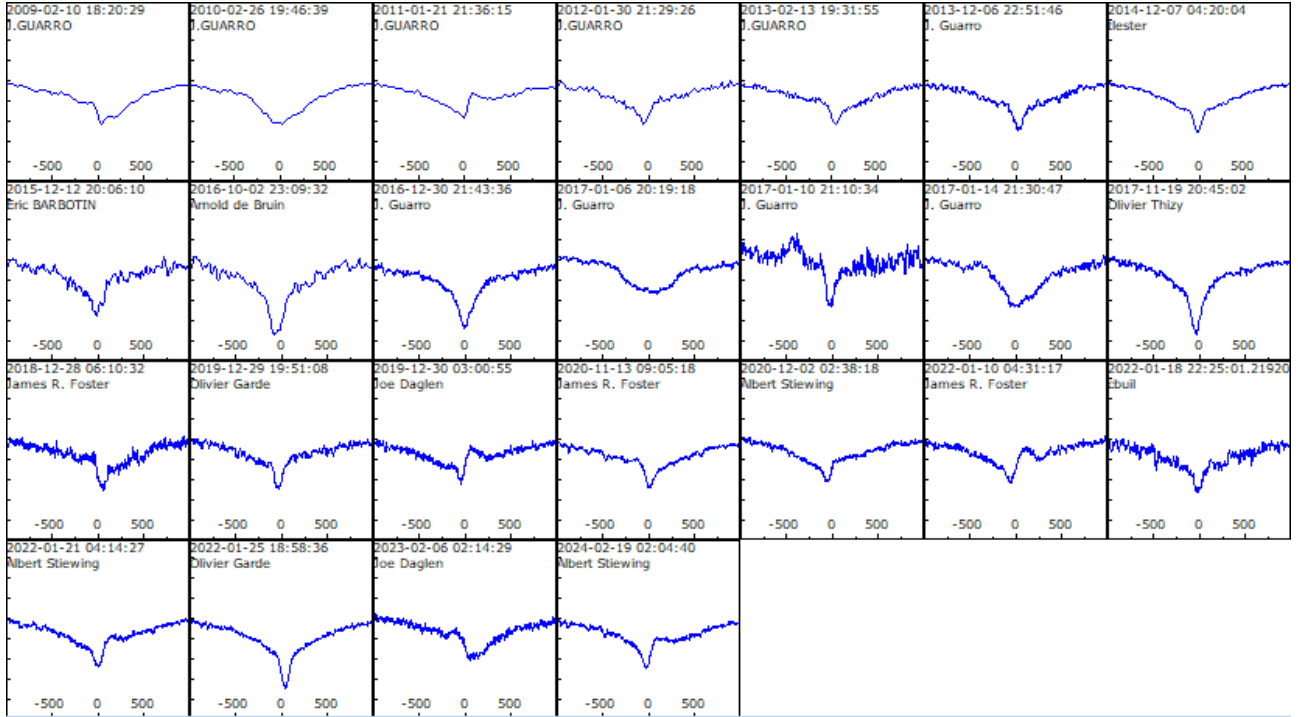
HD 225095



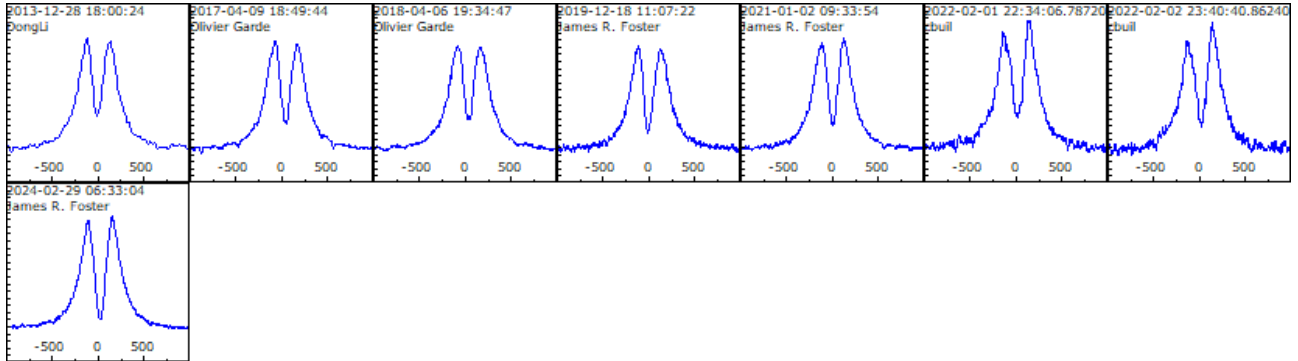
V413 Aur



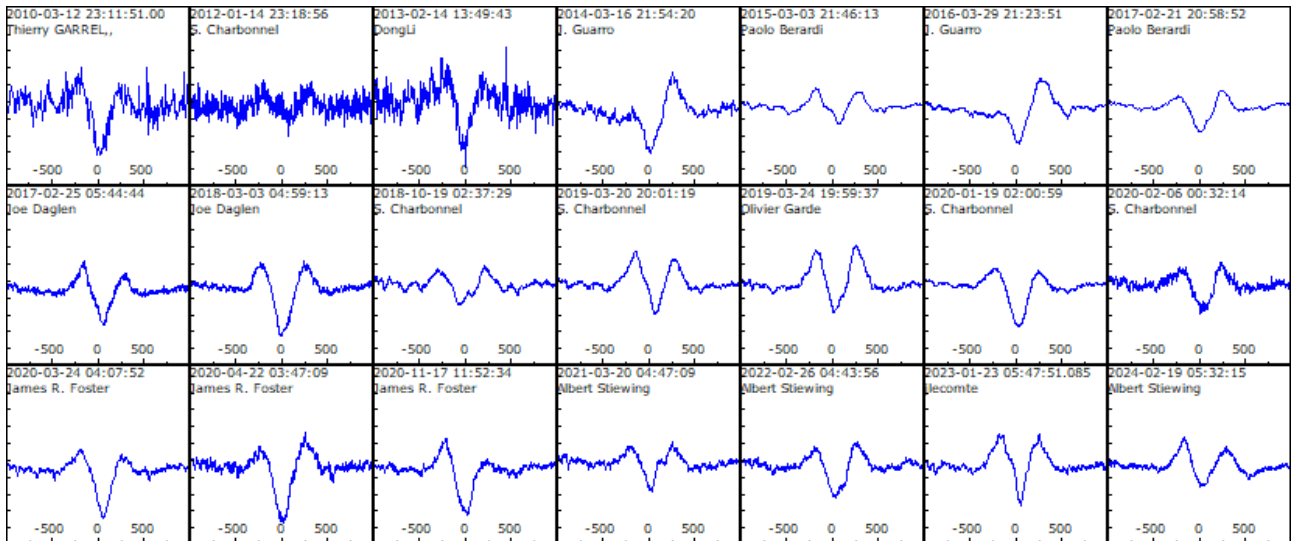
RW Tau



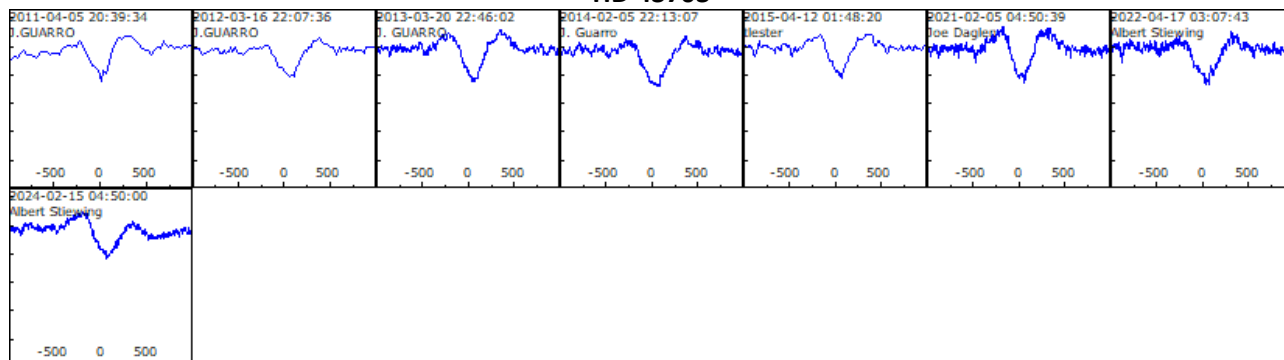
HD 68468



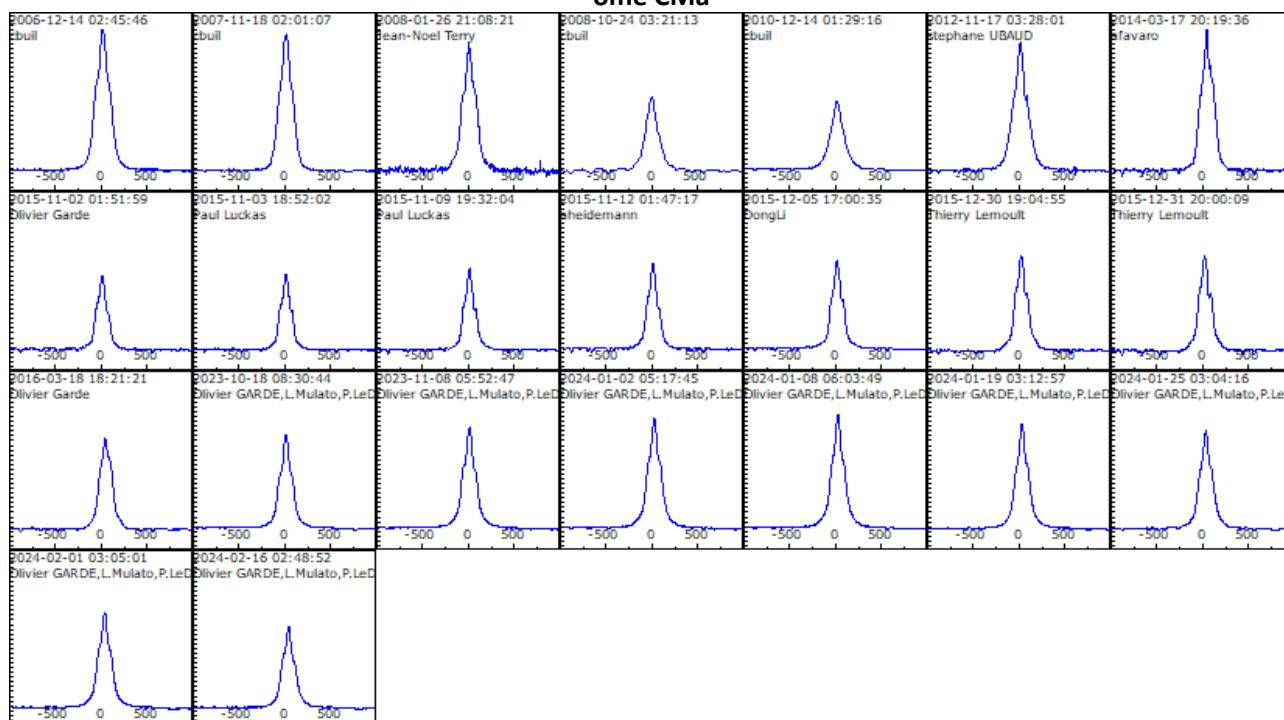
RY Gem



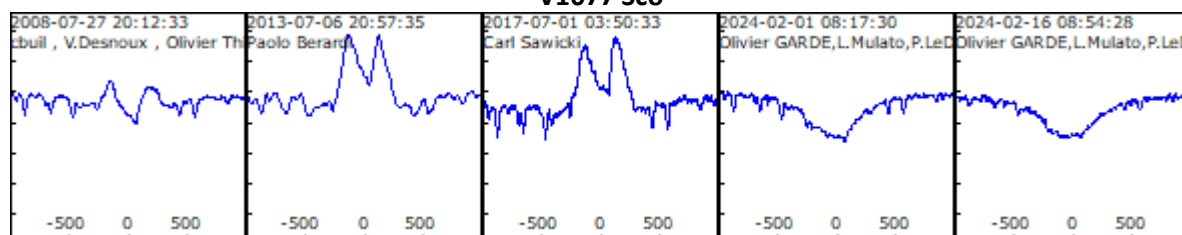
HD 43703



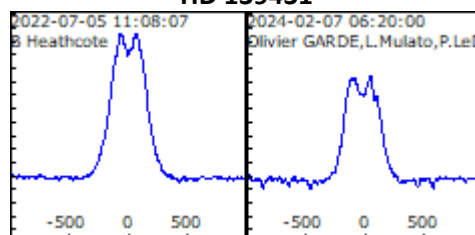
ome CMA



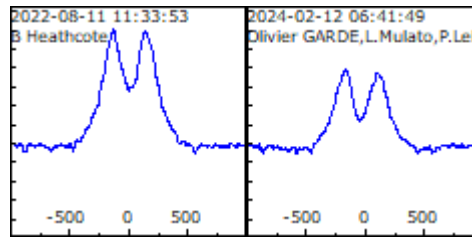
V1077 Sco



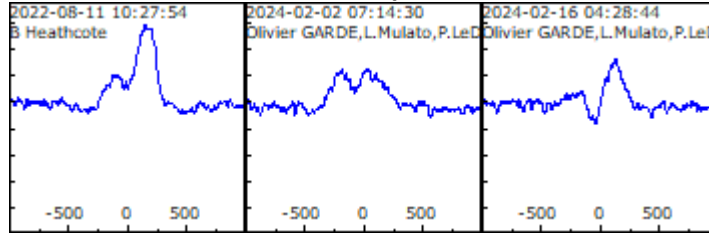
HD 139431



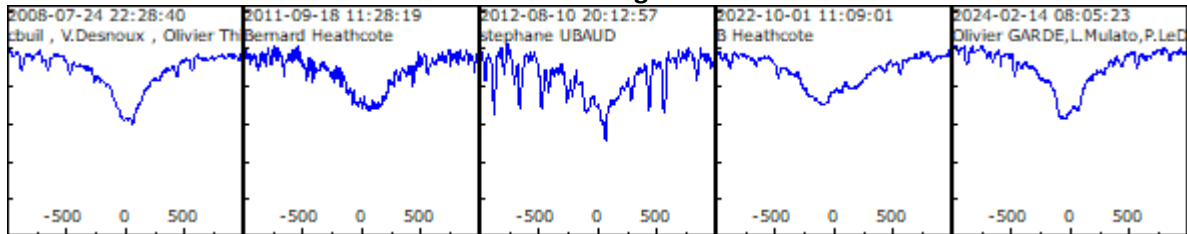
HD 144965



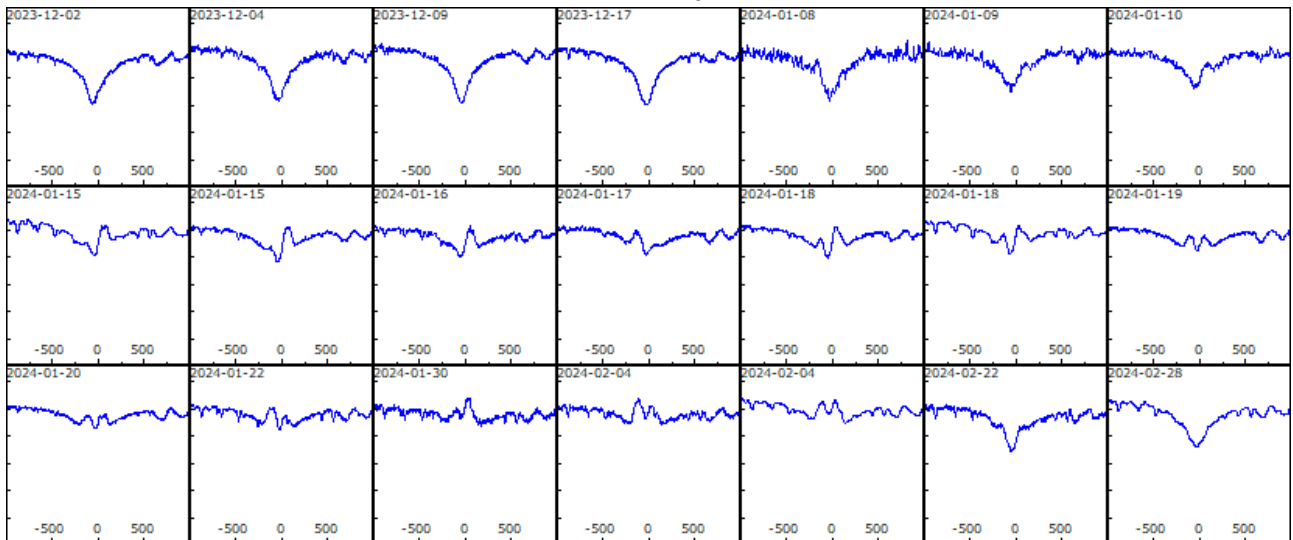
HV Lup



V3894 Sgr



V442 And



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 in the area of 6580 angströms. The x-axis is converted into Doppler velocity centered on H-alpha.

If too many spectra of the object are available, only 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 and report images generation.

To be noted: Shelyak, as a complex variable star is excluded from the study.

Author

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BeSS database at <http://basebe.obspm.fr/basebe/>

BeSS monthly report repository at <http://valerie.desnoux.free.fr/BeSS/>

ArasBeAM portal for Be Stars observations status at <http://arasbeam.free.fr/>