



BeSS report – April 2024

H-alpha monitoring

Data compiled by
Valérie Desnoux

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

53

Stars

68

Spectra

8

Observers

Observateur	Nb spec
Charbonnel Le	
Dû GARDE Mulato Petit	24
Stiewing	22
SANTAIS	5
Boyd	4
Bryssinck	4
bertrand	4
Blais	3
Dupont	2
Total général	68

Events of the month...

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

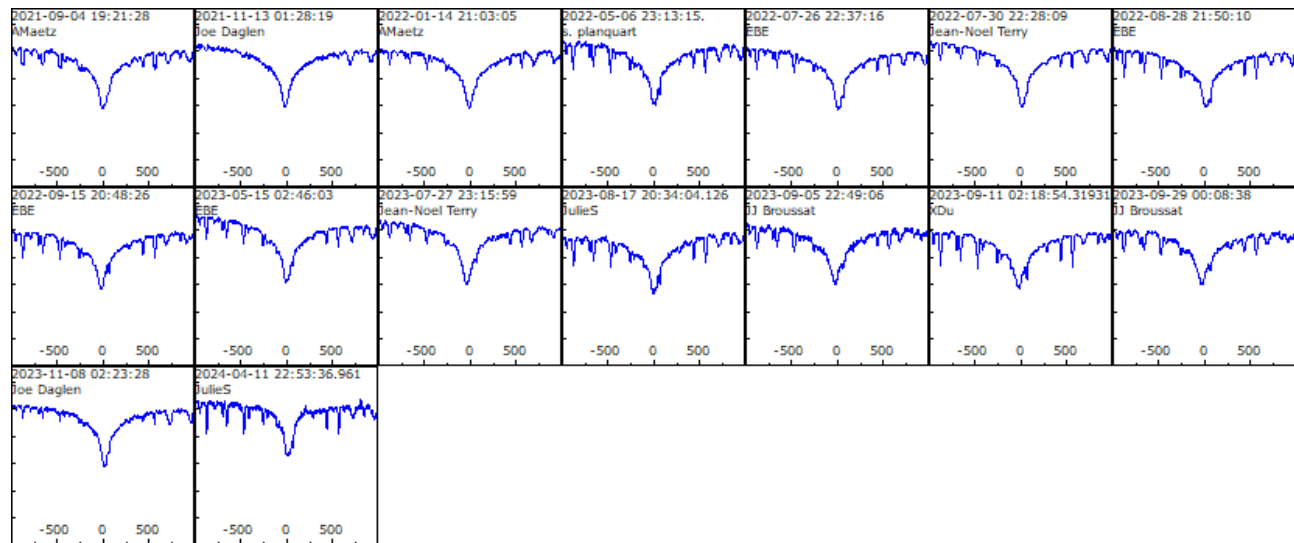
EE	ME	DE
ALFIRK	omi Her	OT Gem
CX Dra	kap CMa	z Her
tet Cir		FF Cam
HL Lib		V715 Mon
		HD 57682
		V767 Cen
		NO CMa
		HZ CMa

Objects observed

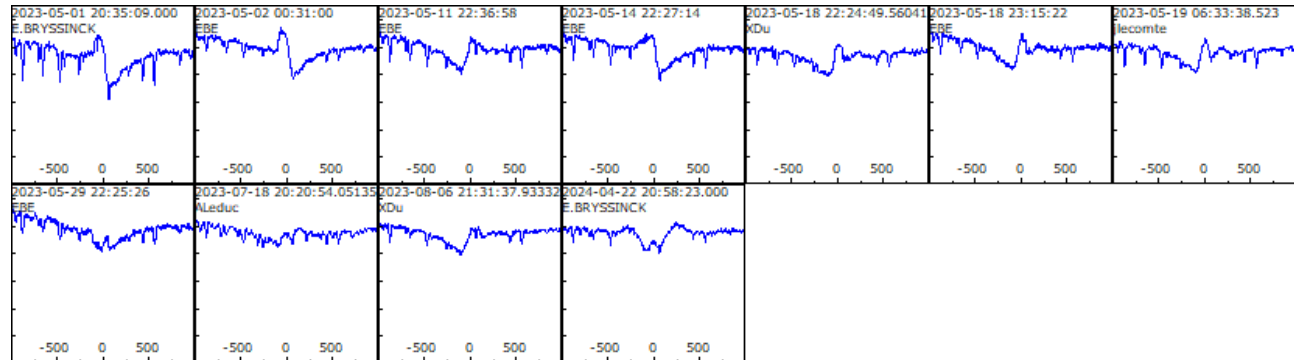
Classique						
PLEIONE	ELECTRA	ALFIRK	zet Tau	OT Gem	MEROPE	ALCYONE
CX Dra	bet CMi	z Her	tet CrB	PHECDA	omi Her	iot Lyr
tet Cir	5 Cnc	FF Cam	19 Mon	kap Dra	I Hya	17 Sex
phi Leo	HD 76868	HL Lib	4 Her	CQ UMa	HD 91120	39 Cru
HD 50820	V715 Mon	HD 47054	V695 Mon	HD 127617	QY Gem	HD 112028
27 CMa	kap CMa	V716 Cen	HD 57682	HD 51506	lam Cru	mu02 Cru
BZ Cru	eps Aps	mu Cen	V767 Cen	V795 Cen	HD 75081	NO CMa
HD 72067	LS Mus	HZ CMa	HD 55200			

Emission increase since last observations

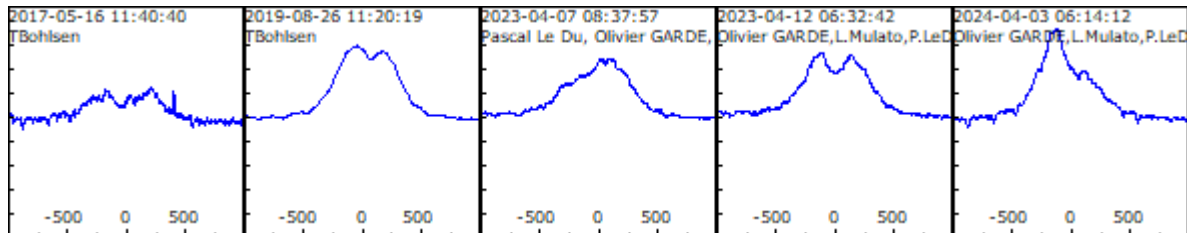
ALFIRK



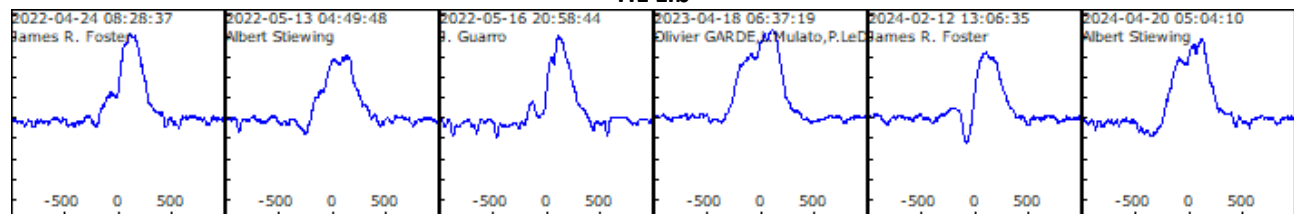
CX Dra



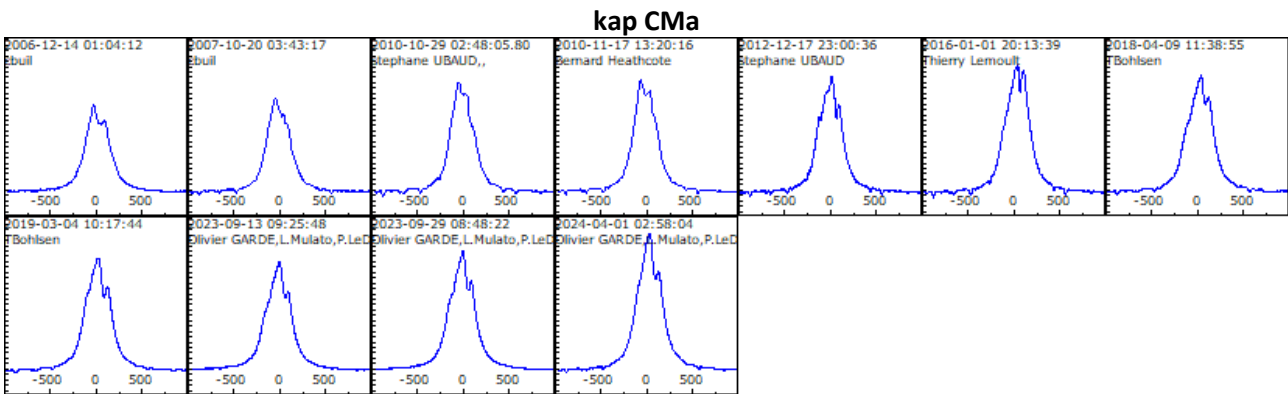
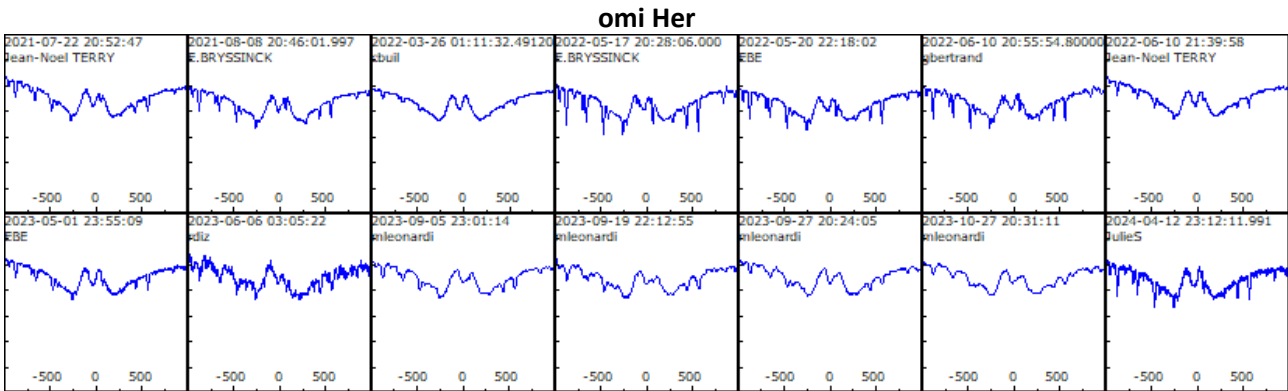
tet Cir



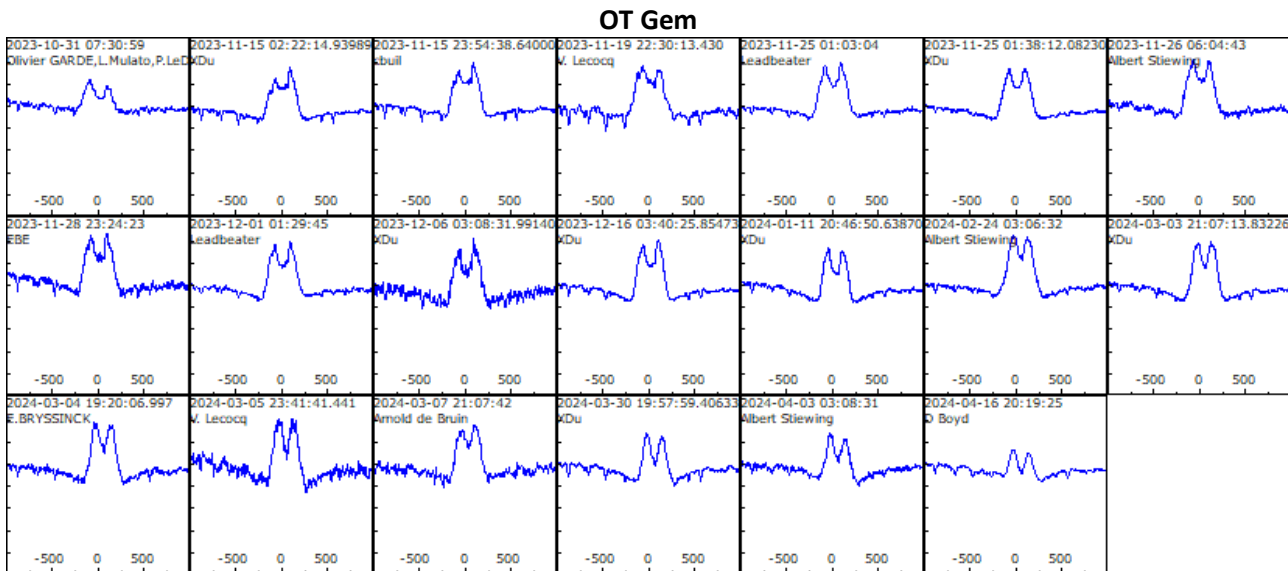
HL Lib



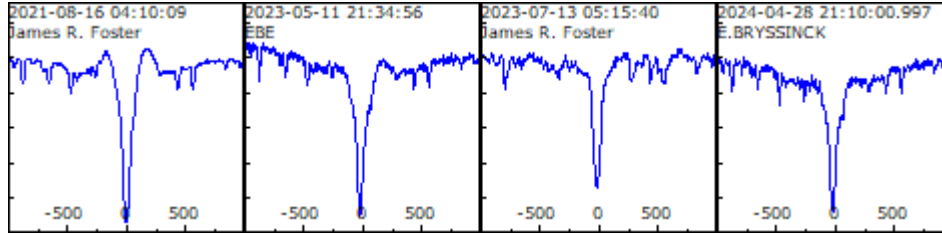
Moderate evolution of H-alpha line



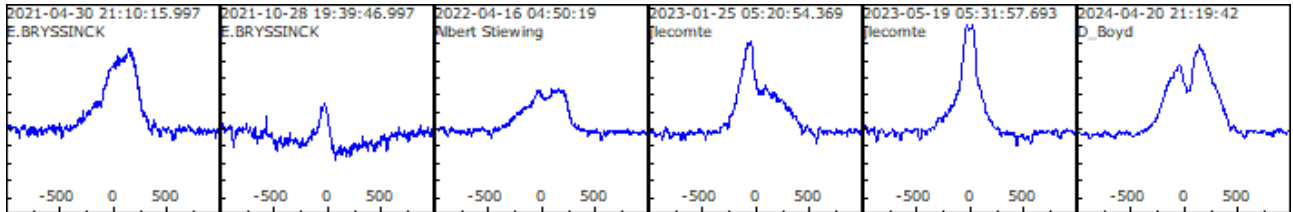
Emission decrease of H-alpha line



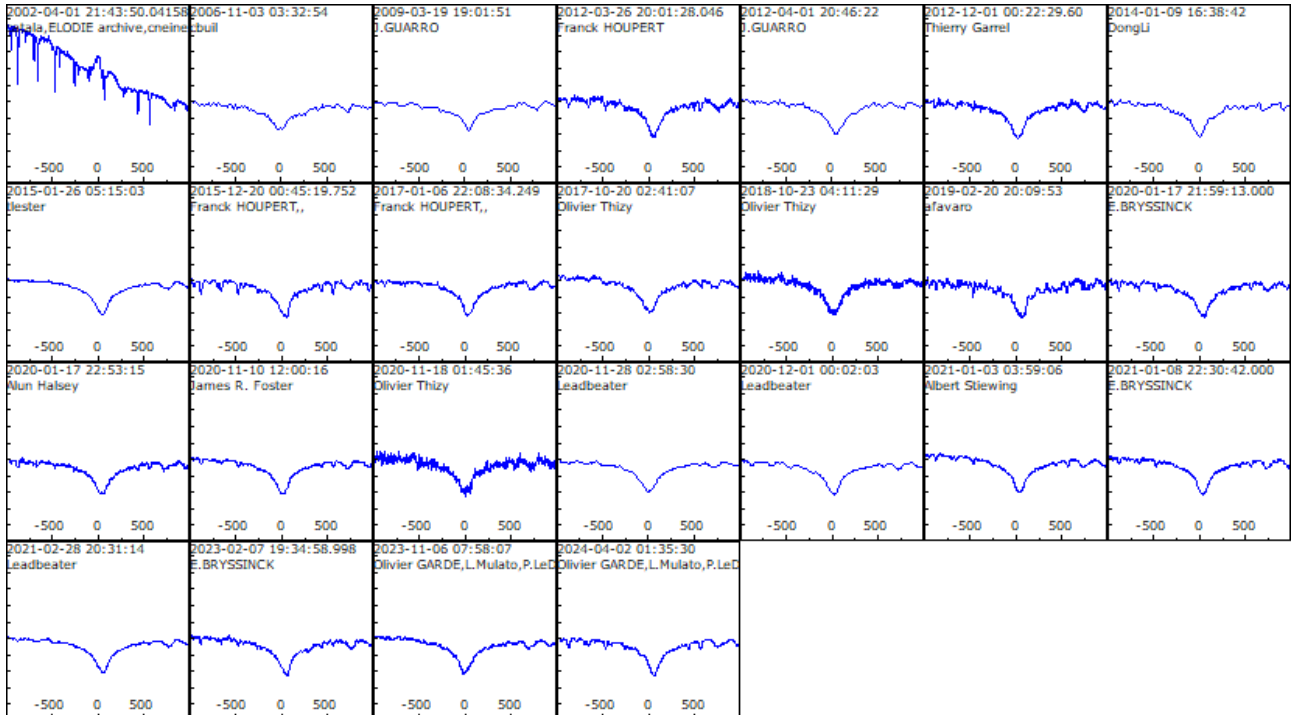
z Her



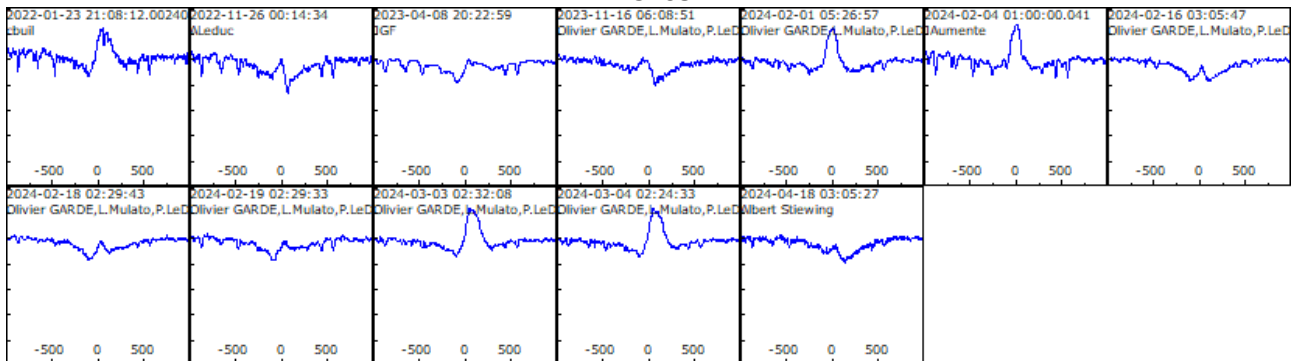
FF Cam



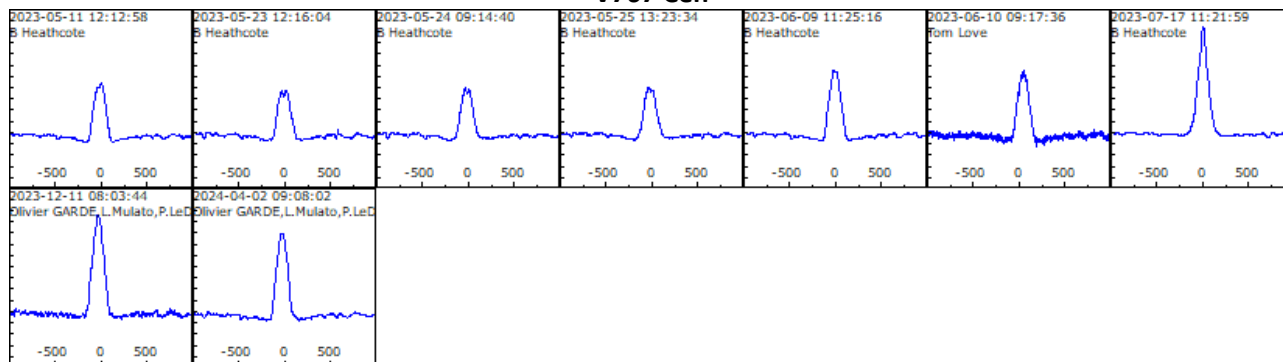
V715 Mon



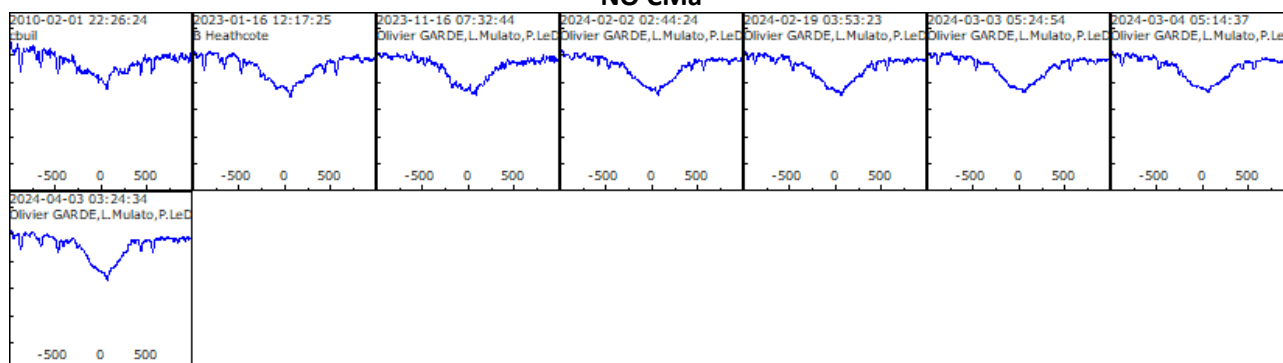
HD 57682



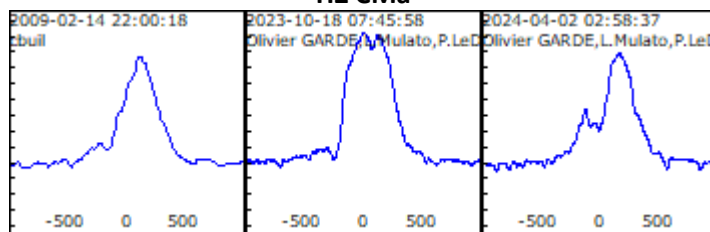
V767 Cen



NO CMa



HZ CMa



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/>