



BeSS report – June 2024

H-alpha monitoring

Data compiled by
Valérie Desnoux

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

62

Stars

66

Spectra

7

Observers

Observateur

Charbonnel Le Dû GARDE Mulato Petit
James
WEIL
Bryssinck
bertrand
Guarro Fló
DUBREUIL

Events of the month...

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

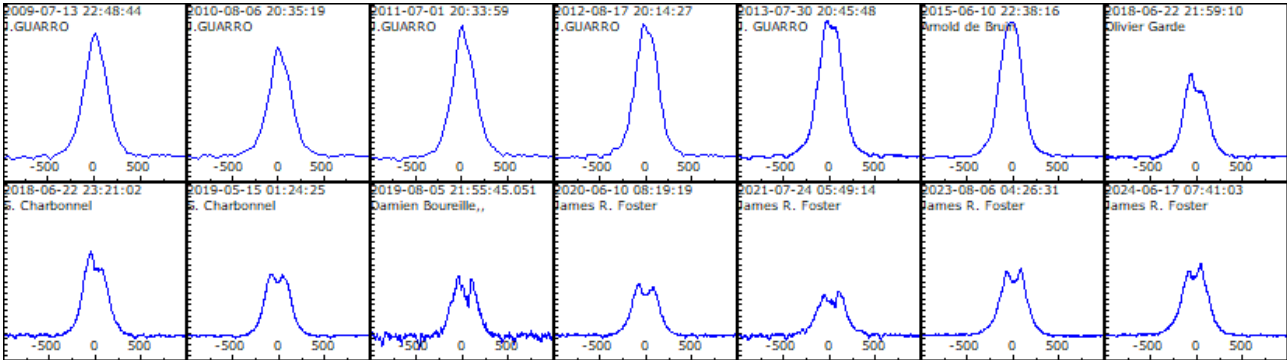
EE	ME	DE
HD 161306	V868 Ara	V1437 Aql
HL Lib	HD 127617	V421 Cep
V2382 Oph	V864 Ara	V558 Lyr
HD 119682		HD 161807
HD 148567		HD 144965
V1063 Sco		OZ Nor
V2307 Oph		
V856 Sco		

Objects observed

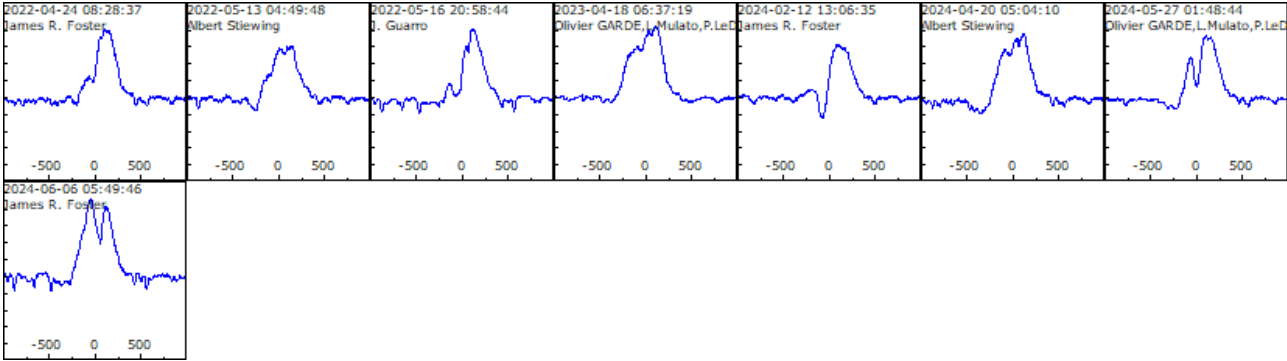
Classique							Herbig
tet Ari	ALFIRK	nu Cyg	HD 208682	V1437 Aql	V421 Cep	HD 183339	V2307 Oph
HD 162428	HD 163007	V750 Ara	del Sco	66 Oph	HD 171780	V558 Lyr	V856 Sco
HD 161306	V532 Lyr	53 Boo	NT Peg	HD 168135	HL Lib	48 Lib	HD 135344
V2315 Oph	V1040 Sco	HD 153262	V868 Ara	HD 127617	FY Vel	HD 147196	B[e]
HD 174105	HD 166917	HD 174886	V1466 Aql	V2382 Oph	HD 152541	HD 164050	I Pup
V864 Ara	HD 160648	HD 165063	VV PsA	HD 119682	HD 154218	HD 148567	
V1078 Sco	V956 Sco	HD 140926	HD 161807	V3984 Sgr	HD 139431	HD 144965	
HD 147302	HD 156398	HD 146596	V862 Sco	V1076 Sco	V1063 Sco	OZ Nor	
HD 151113	HD 182550						

Emission increase since last observations

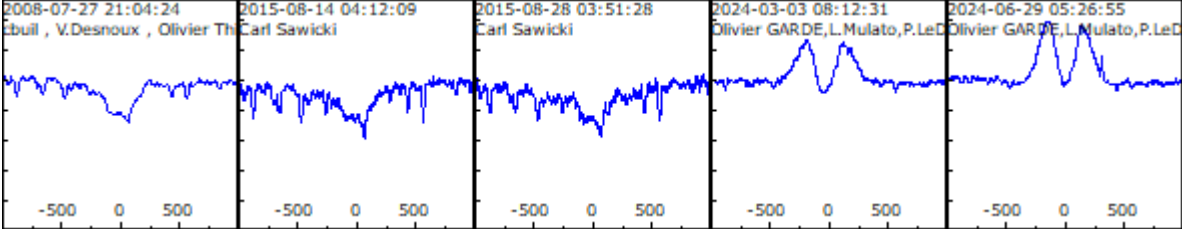
HD 161306



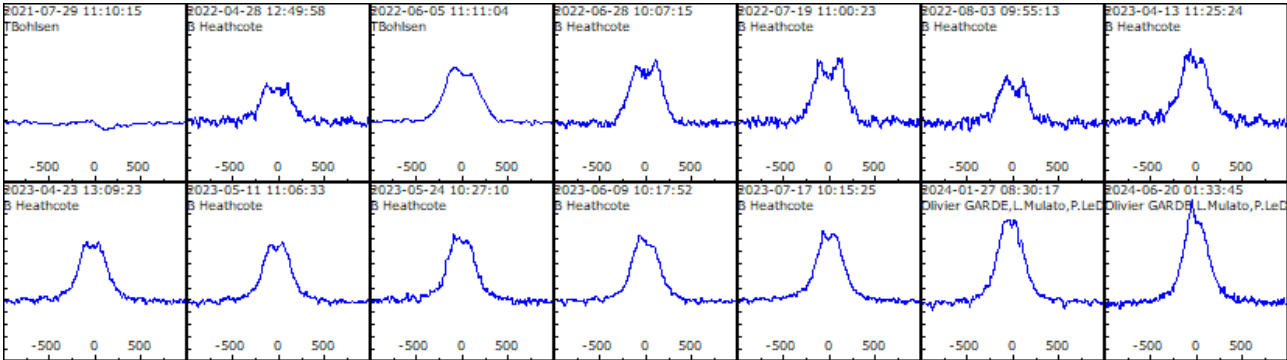
HL Lib



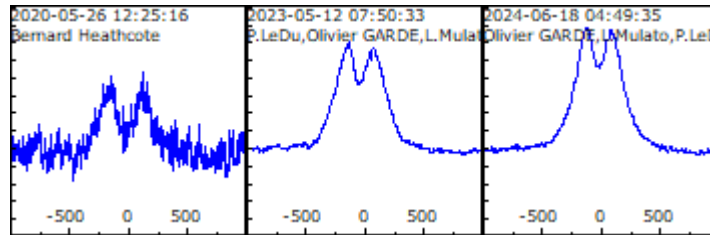
V2382 Oph



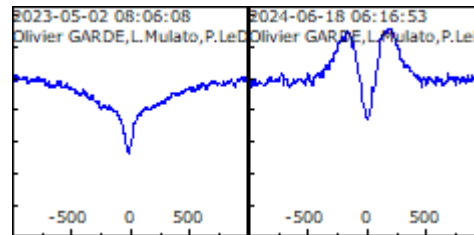
HD 119682



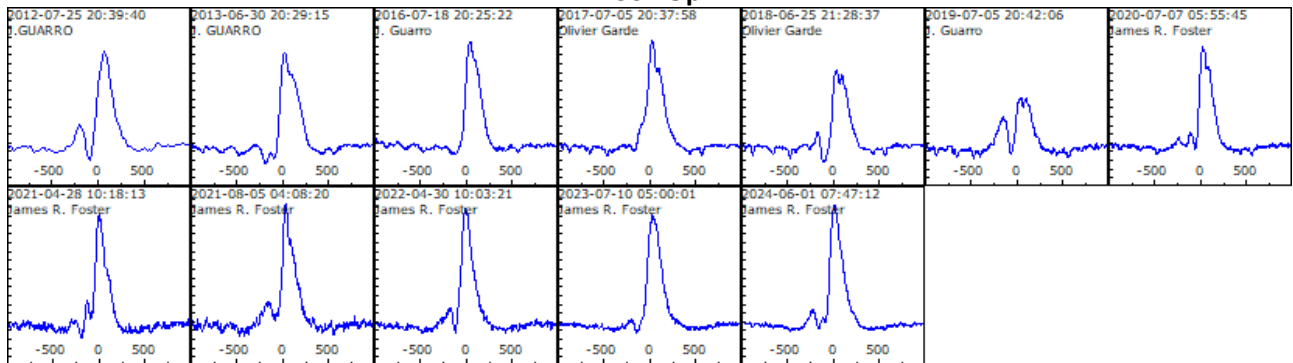
HD 148567



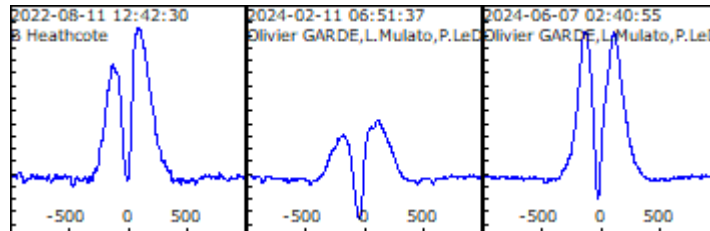
V1063 Sco



V2307 Oph

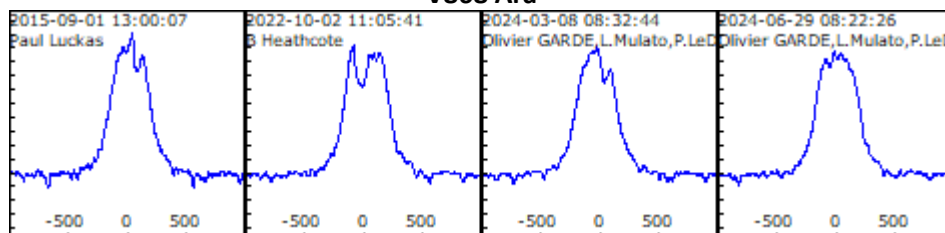


V856 Sco

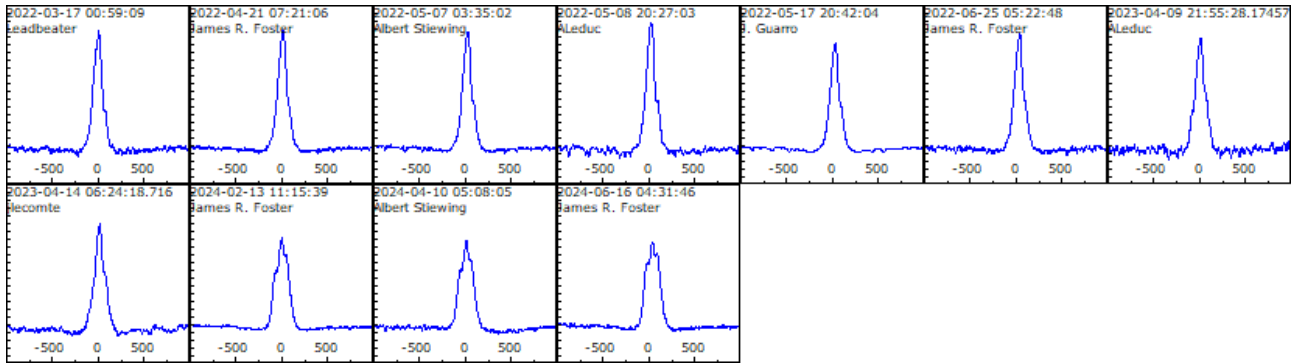


Moderate evolution of H-alpha line

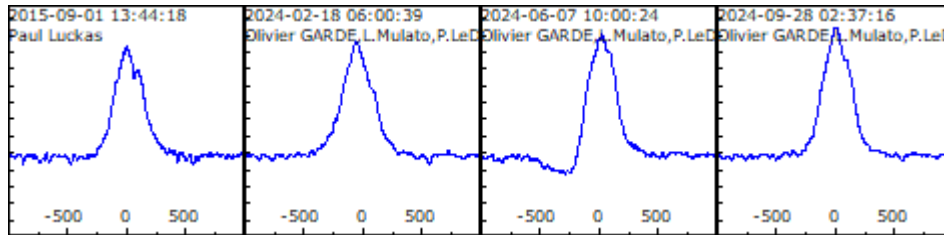
V868 Ara



HD 127617

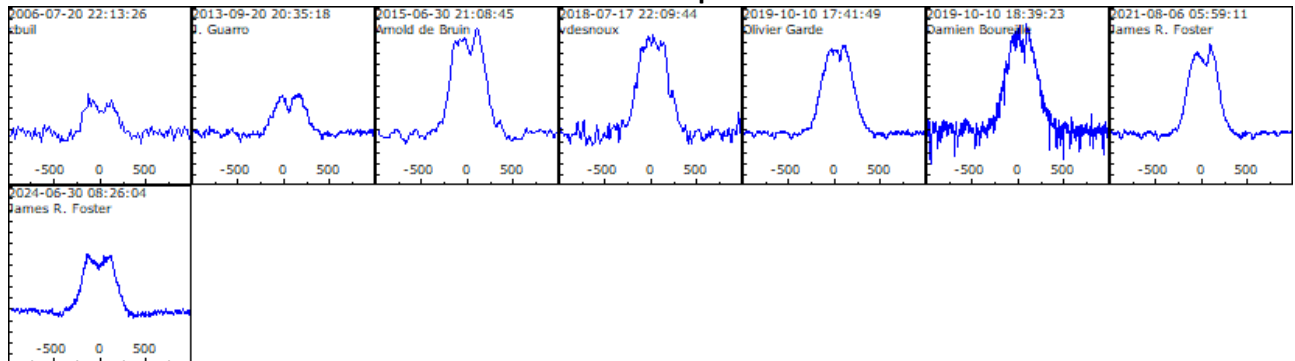


V864 Ara

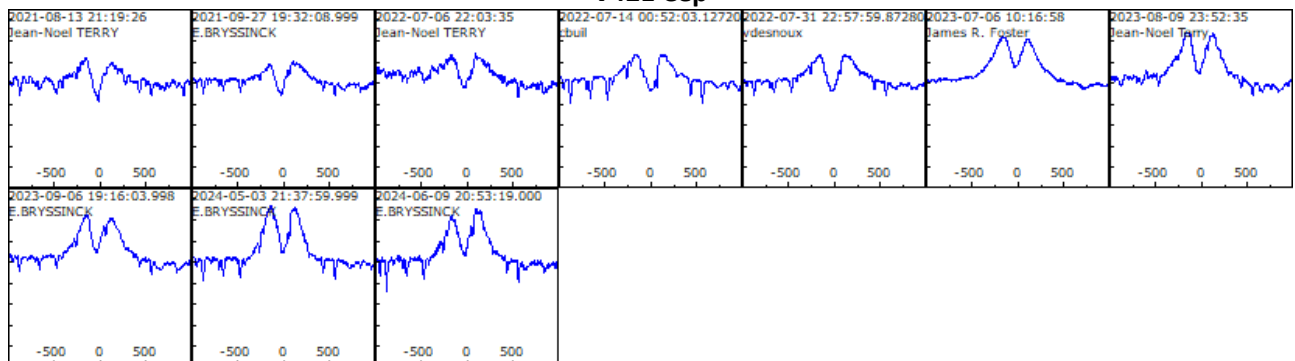


Emission decrease of H-alpha line

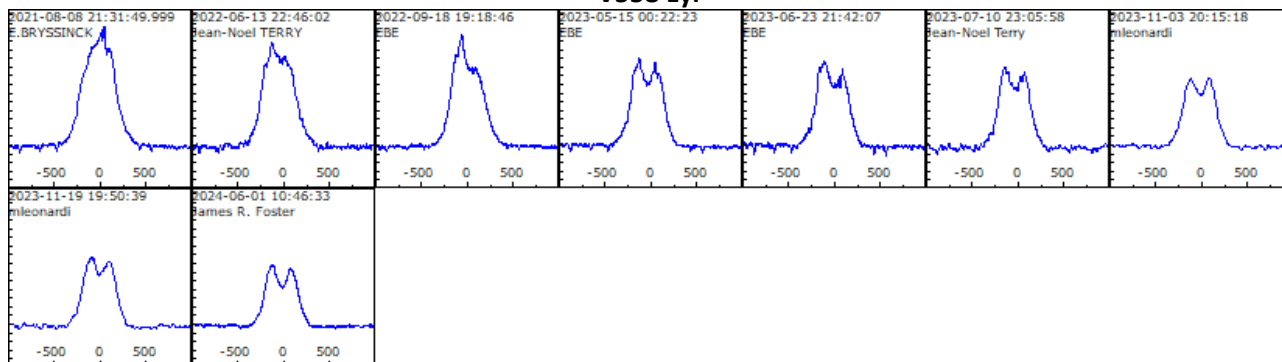
V1437 Aql



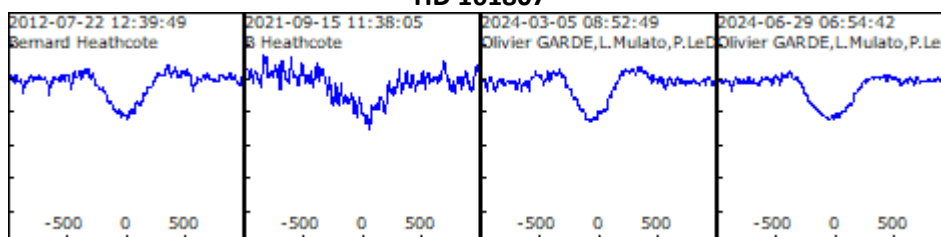
V421 Cep



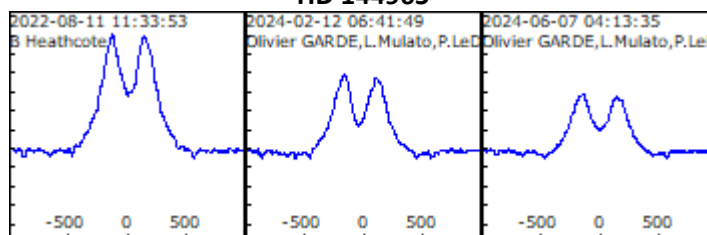
V558 Lyr



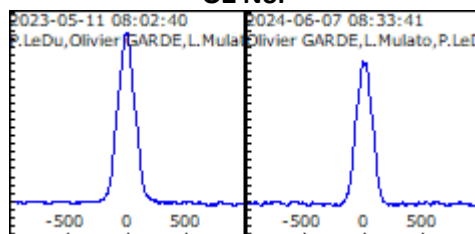
HD 161807



HD 144965



OZ Nor



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

Valérie Desnoux

Valerie.desnoux@free.fr

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/>