

BeSS report – June 2017

Data compiled by Valérie Desnoux – H-alpha monitoring
Be projects section by Ernst Pollmann [here](#)

Observateur	Nb spec
Guarro Fló	12
Bohlsen	9
Sawicki	9
Campos	4
TERRY	4
bertrand	4
de Bruin	3
Fosanelli	3
Graham	3
GARDE	2
KREIDER	2
Pollmann	2
de France	1

- 30 stars were observed
- 13 Observers contributed this month
- 58 Spectra

Events of the month...

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

EE	ME	DE
	HL Lib	NW Ser
	66 Oph	iot Ara
	48 Lib	
	CX Dra	
	eps Cas	
	kap01 Aps	

Objects observed

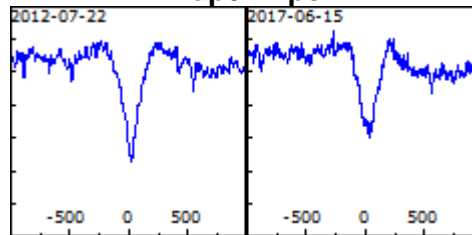
Classique							?	Herbig
gam Cas	QR Vul	HD 174179	48 Lib	eps Cas	CX Dra	A Cen		
zet Crv	SHELIAK	V2385 Oph	BD+23 3183	iot Ara	28 Cyg	mu Lup		
GP Vir	HL Lib	NW Ser	zet Oph	HD 174105	z Her	V974 Her		
phi Leo	66 Oph	4 Aql	HD 162428	kap Lup	kap01 Aps	ALFIRK		
del Sco	chi Oph							

Emission increase since last observations

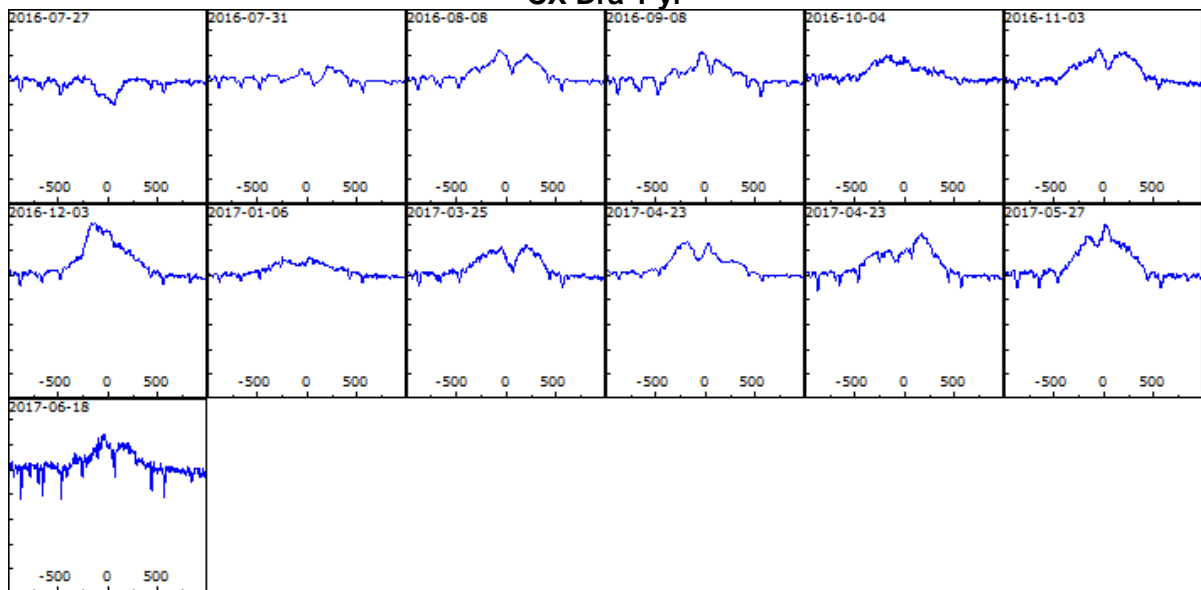
None this month

Moderate evolutions of H-alpha line

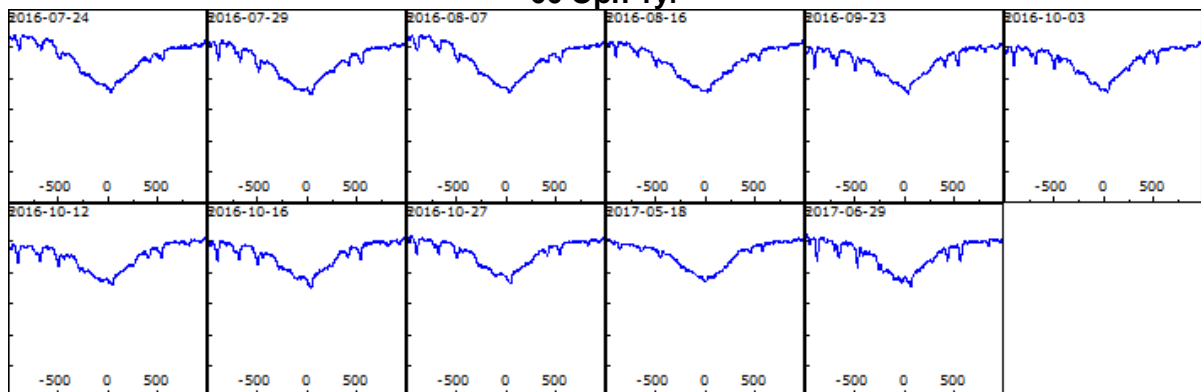
Kap01 Aps



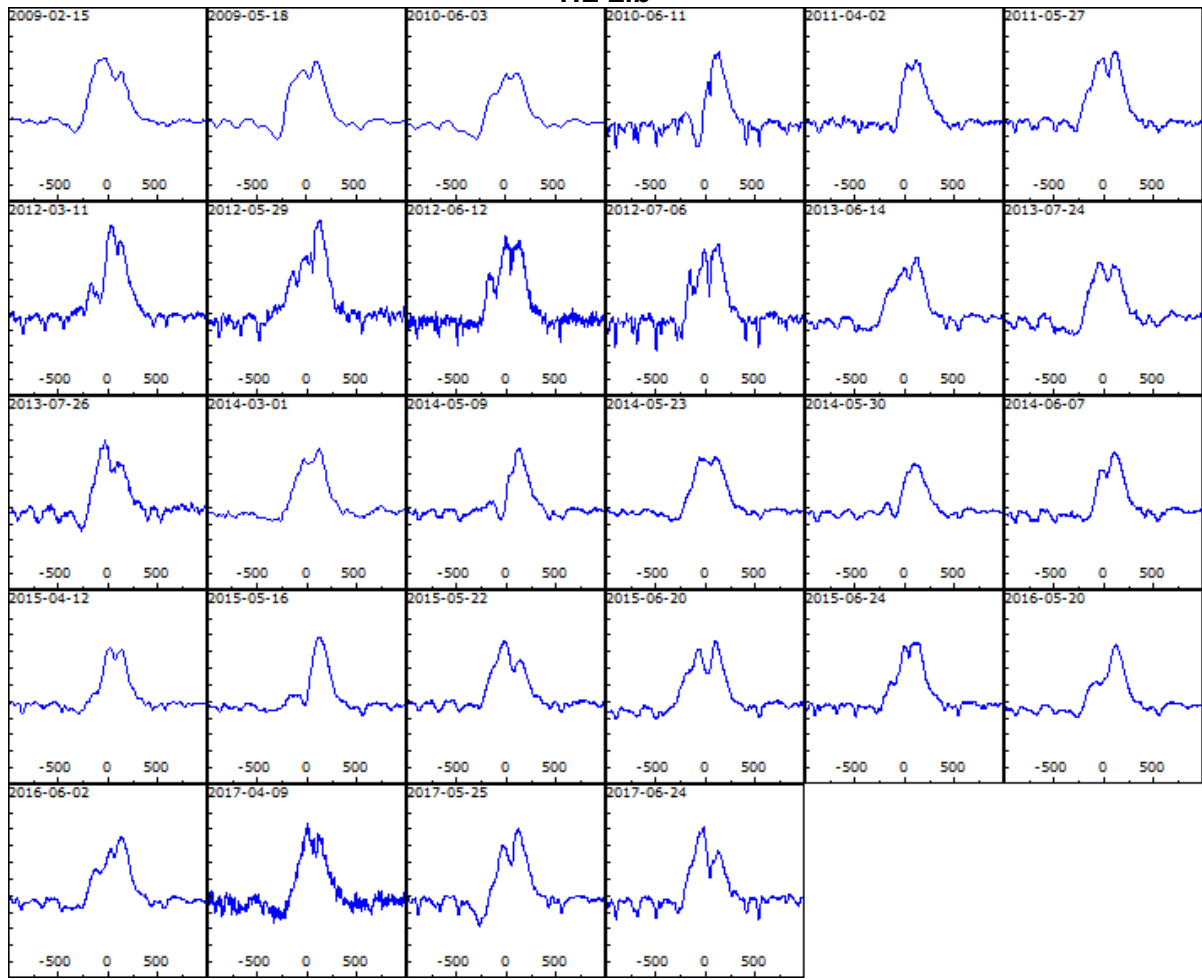
CX Dra 1 yr



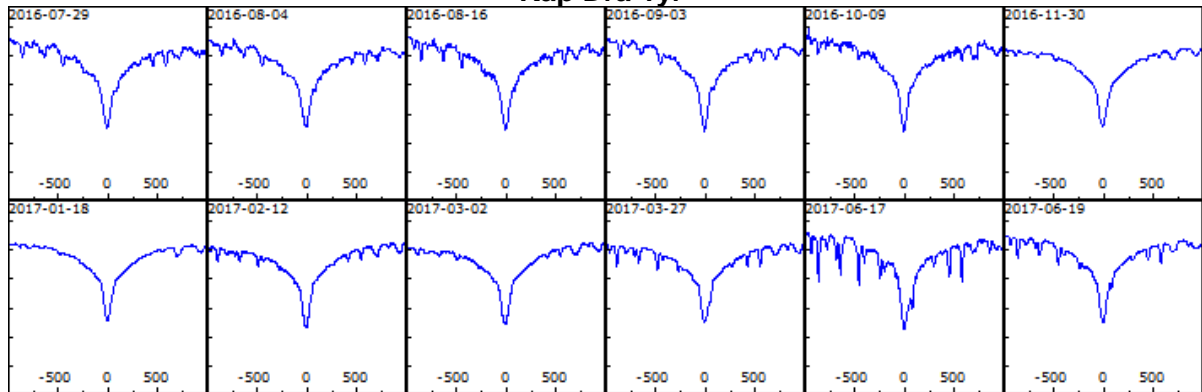
66 Oph 1yr



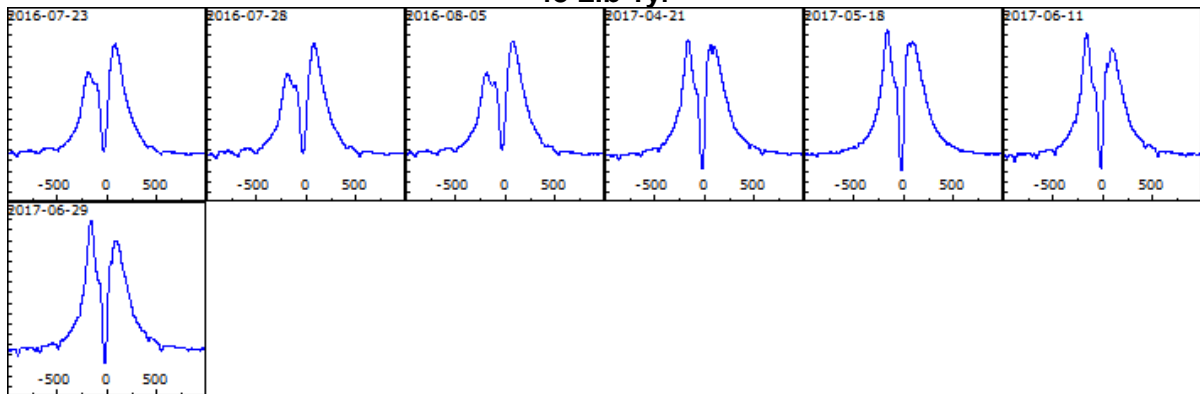
HL Lib



Kap Dra 1yr

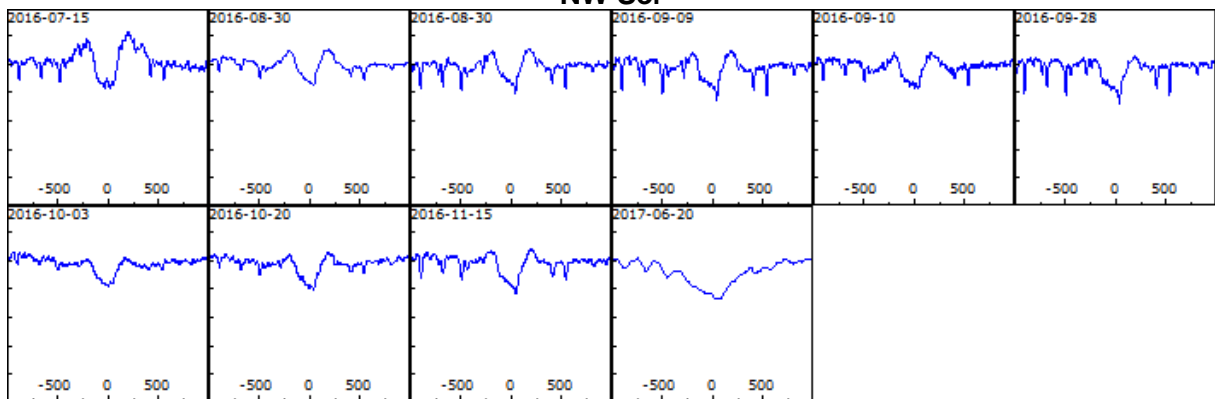


48 Lib 1yr

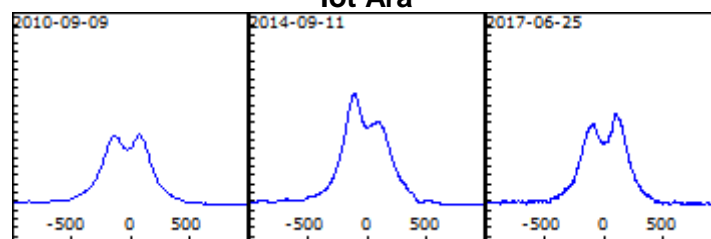


Emission decrease of H-alpha line

NW Ser



lot Ara



Be monitoring projects

By Ernst Pollmann

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 Heliocentric correction is applied, and 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

Valérie Desnoux

Valerie.desnoux@free.fr

Aras Site at <http://www.astrosurf.com/aras/>

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

ArasBeAM portal at <http://arasbeam.free.fr/>

Ernst Pollmann

ernst-pollmann@t-online.de

International Working Group ASPA

Active Spectroscopy in Astronomy

<http://www.astrospectroscopy.de>

<http://www.astronomie.de/astronomische-fachgebiete>