

BeSS report – May 2019

Data compiled by Valérie Desnoux – H-alpha monitoring

- 61 stars were observed
- 16 Observers contributed this month
- 125 Spectra

Observers...

Observateur	Nb spec
Charbonnel	32
Bryssinck	28
bertrand	17
Buil	14
Guarro Fló	9
de Bruin	5
GARDE	4
Stiewing	3
Iadevaia	3
Graham	2
VERILHAC Cochard GARDE	2
HOUPERT	2
BERNARD	1
Favaro	1
Lecocq	1
Heathcote	1
Total général	125

Events of the month...

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

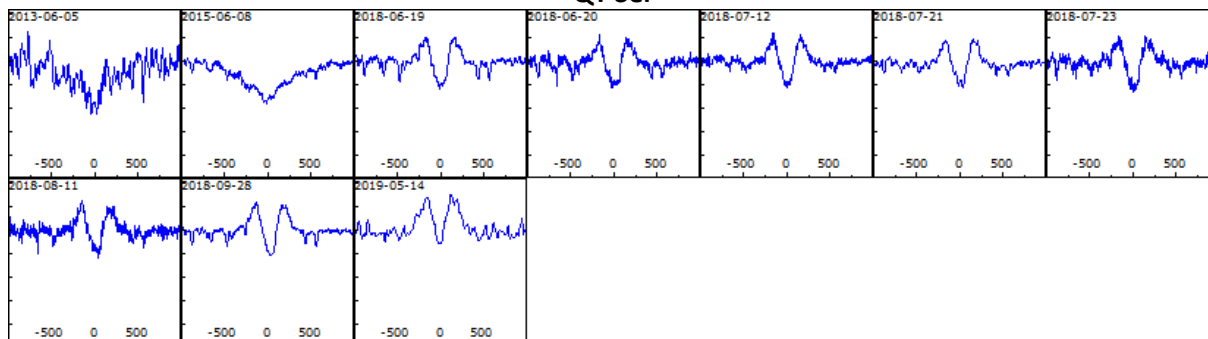
EE	ME	DE
QT Ser	Iam Cyg	BK Cam
HL Lib	CX Dra	V568 Cyg
48 Lib	HD 206773	HD 161306
HD 162428	66 Oph	HD 203374
59 Cyg	HD 171219	V986 Oph
6 Cep	HD 175863	HD 166917
V2243 Oph		V425 Cyg
HD 168331		

Objects observed

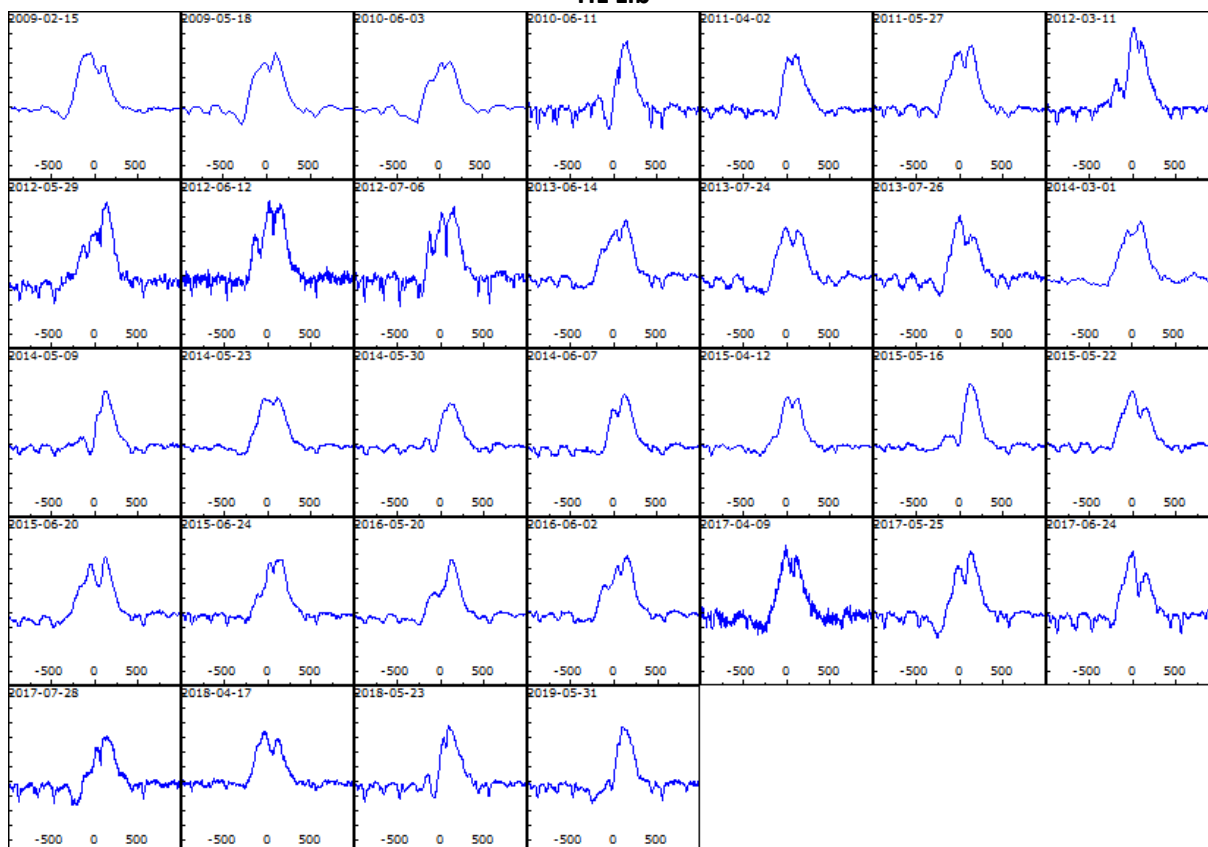
Classique							B[e]
Iam Cyg	HD 171780	tet CrB	53 Boo	HD 171219	HD 315377	del Sco	BD+14 3887
28 Cyg	HD 174179	PHECDA	4 Her	25 Cyg	HD 168331	OT Gem	
QR Vul	NW Ser	GP Vir		HD 208682	RY Sct	V986 Oph	
gam Cas	QT Ser	kap Dra	CQ UMa	6 Cep	V5563 Sgr	nu Cyg	
CX Dra	BK Cam	HL Lib	59 Cyg	HD 175863	HD 164703	V2243 Oph	
HD 206773	V568 Cyg	66 Oph	z Her	HD 166917	HD 162717	EM* StHA 143	
SHELIAC	HD 192445	chi Oph	iot Lyr	HD 228041	HD 166524	HBHA 3703-48	
ALFIRK	HD 161306	48 Lib	bet Cyg B	V425 Cyg	HD 166666	BZ Cru	
HD 190944	HD 203374	omi Her	V2103 Cyg				

Emission increase since last observations

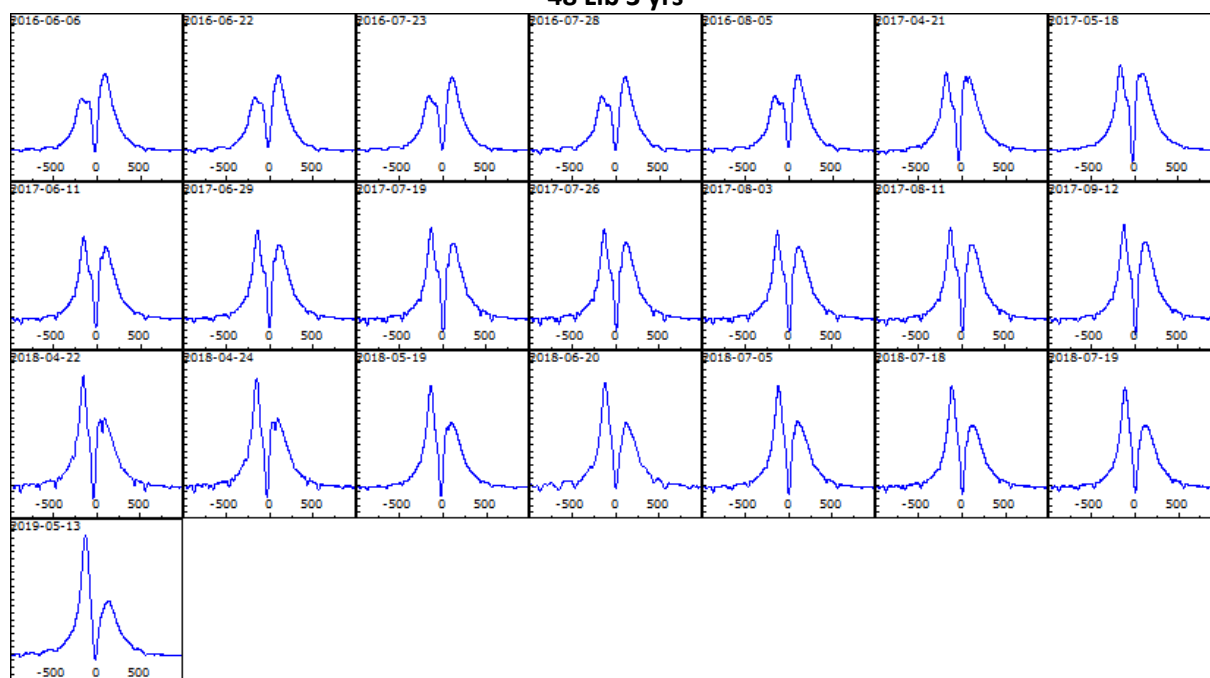
QT Ser



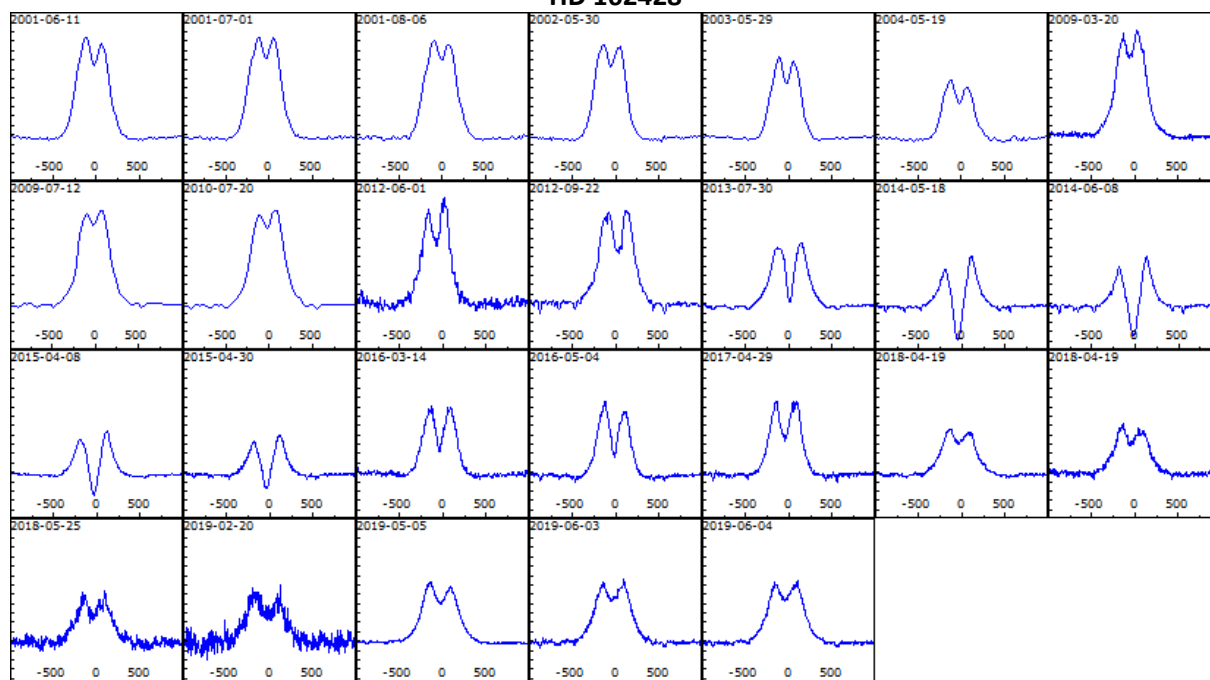
HL Lib

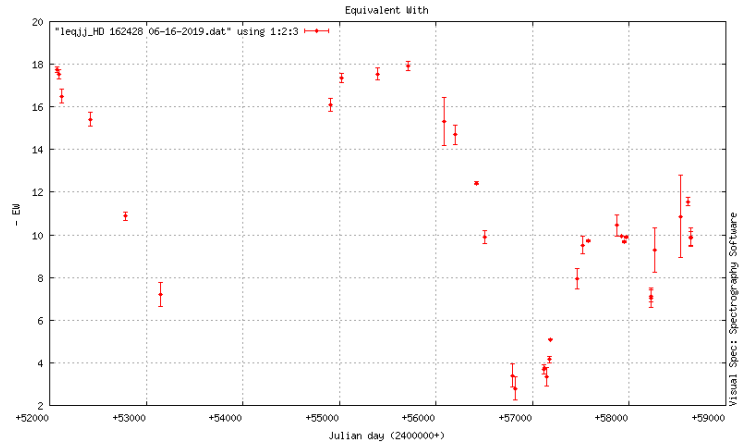


48 Lib 3 yrs

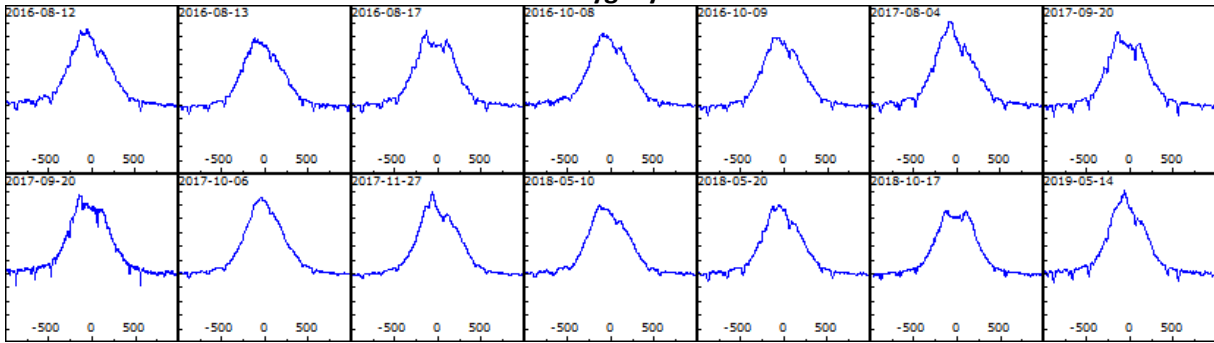


HD 162428

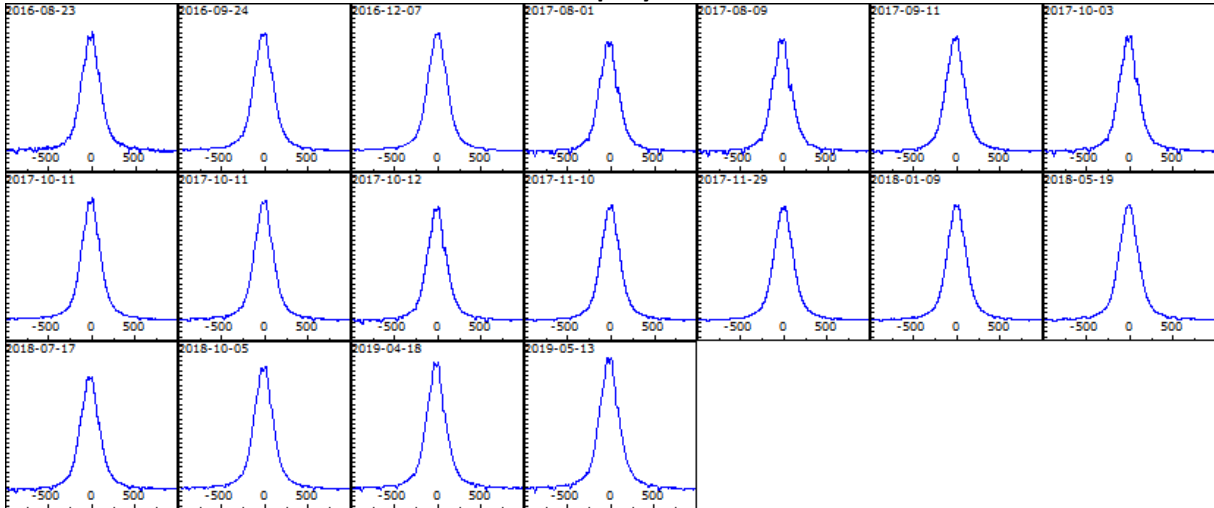




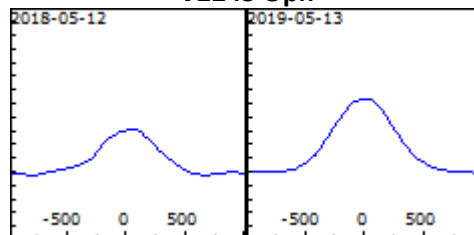
59 Cyg 3 yrs

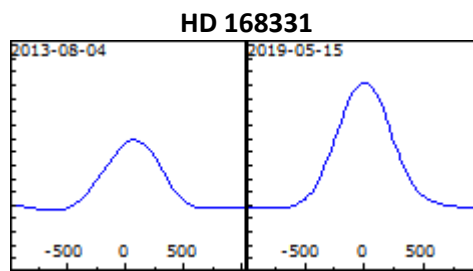


6 Cep 3 yrs



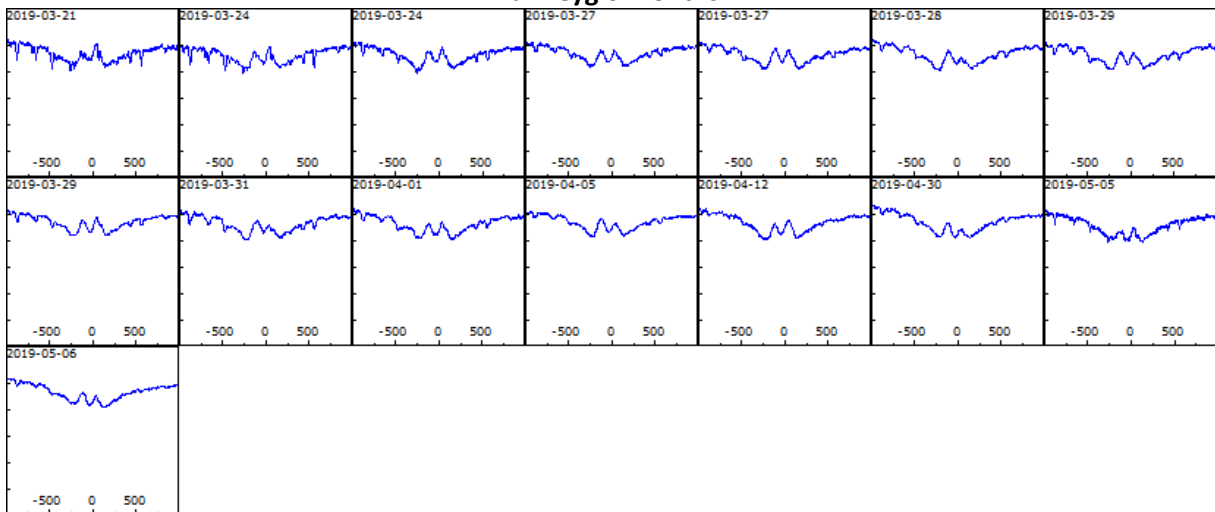
V2243 Oph



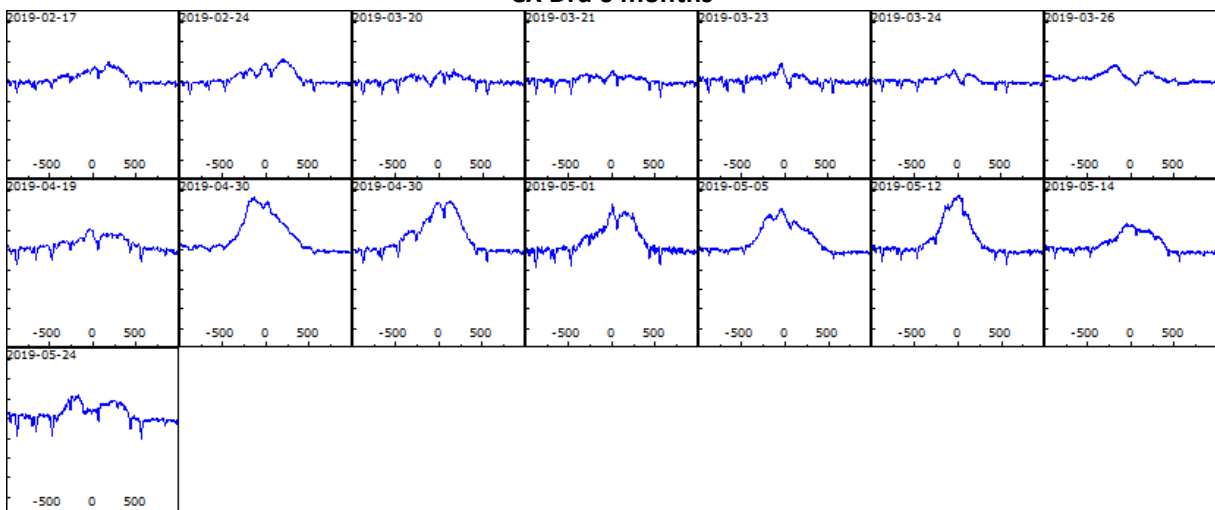


Moderate evolutions of H-alpha line

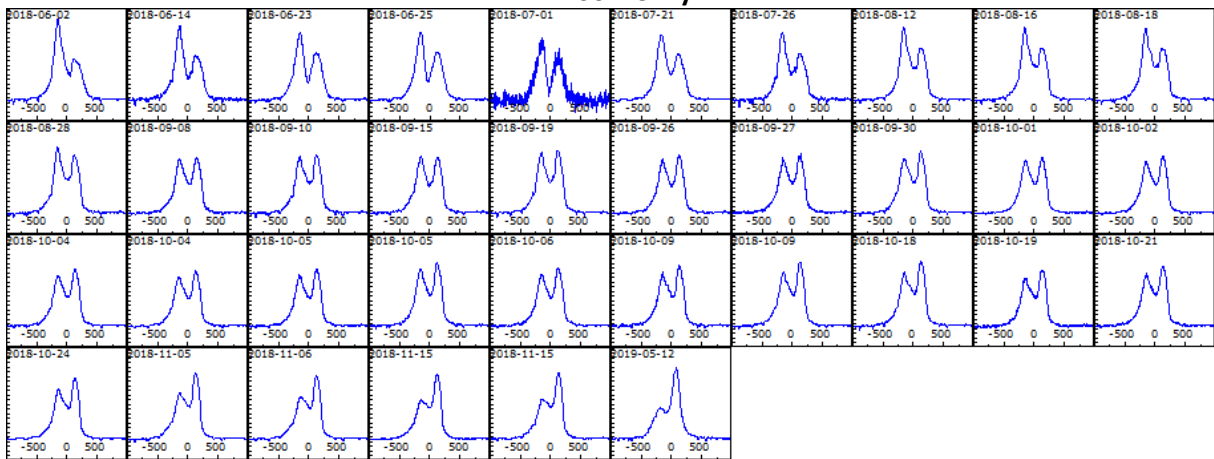
lam Cyg 6 months



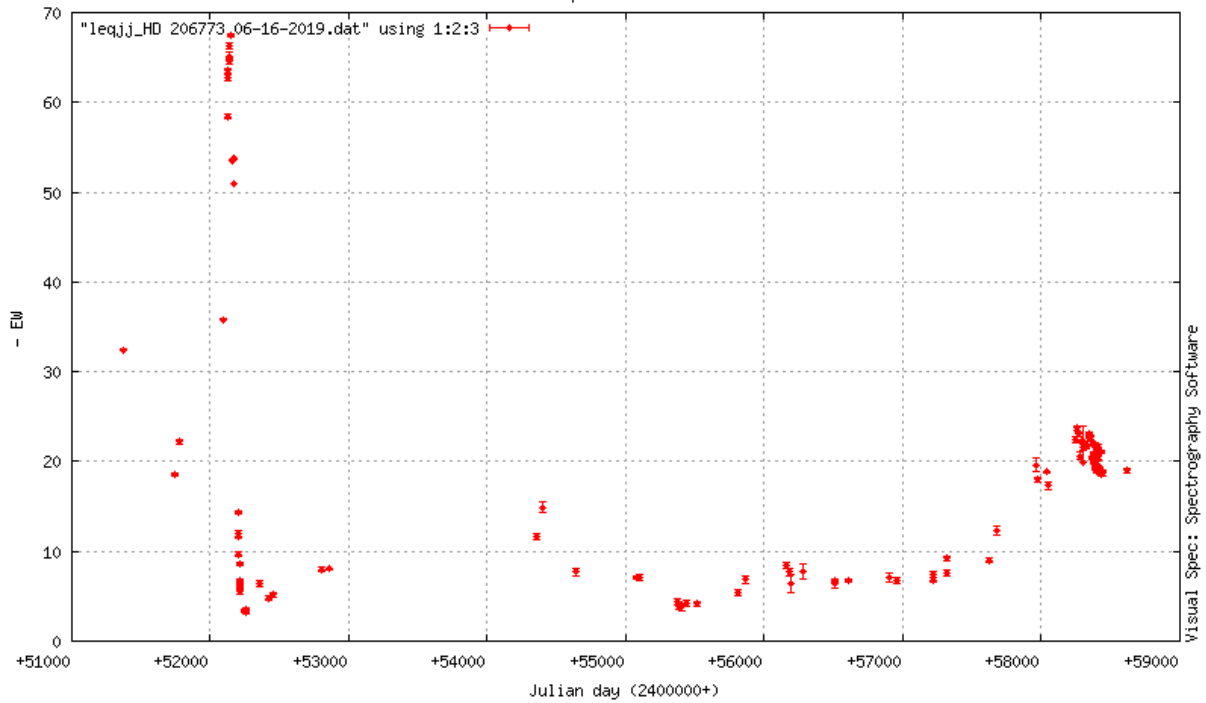
CX Dra 6 months



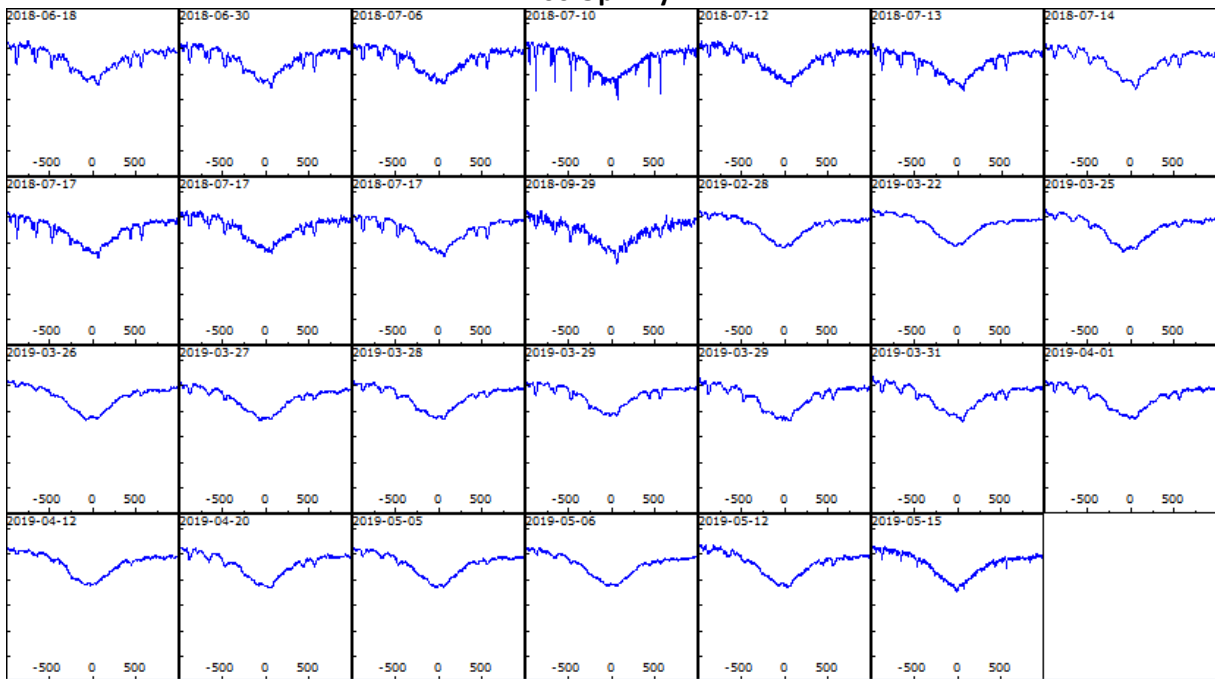
HD 206773 1 yr



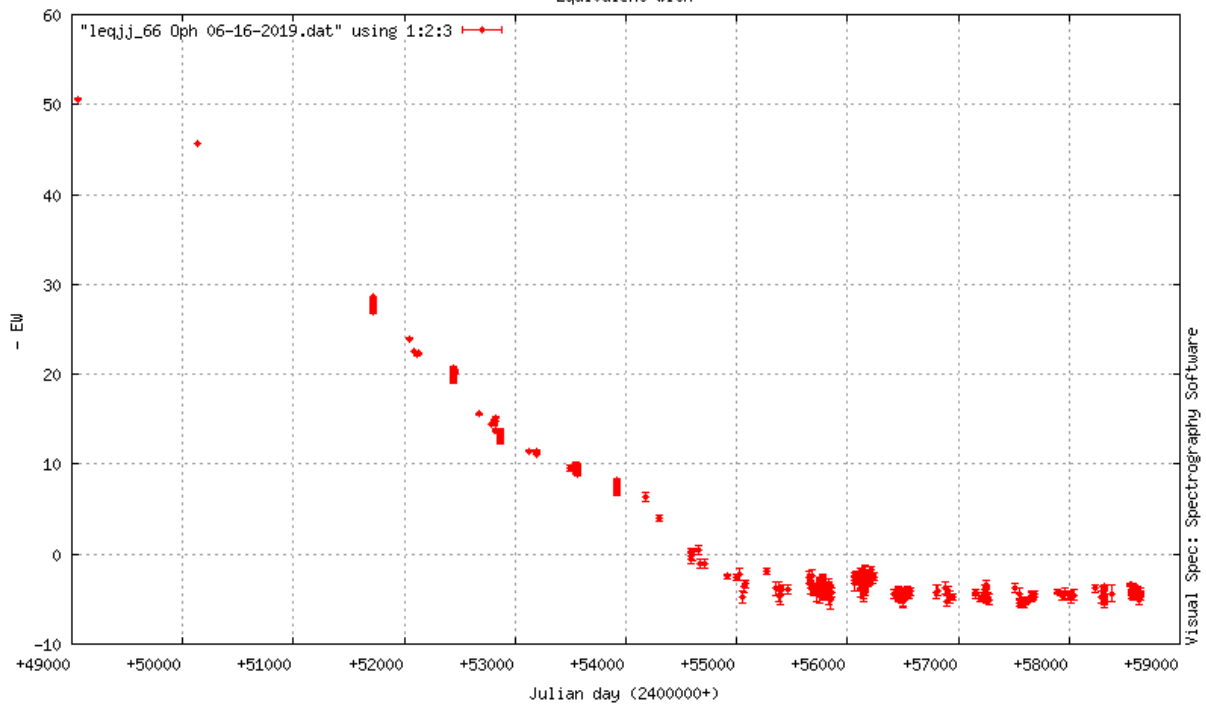
Equivalent With



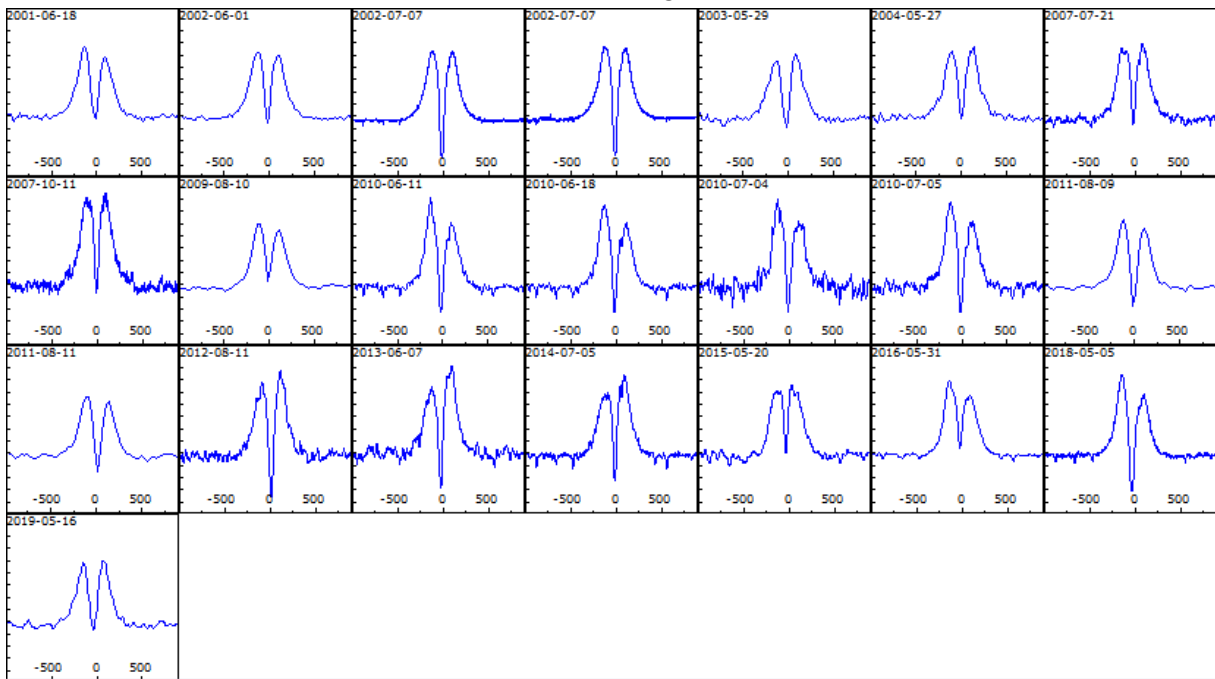
66 Oph 1 yr



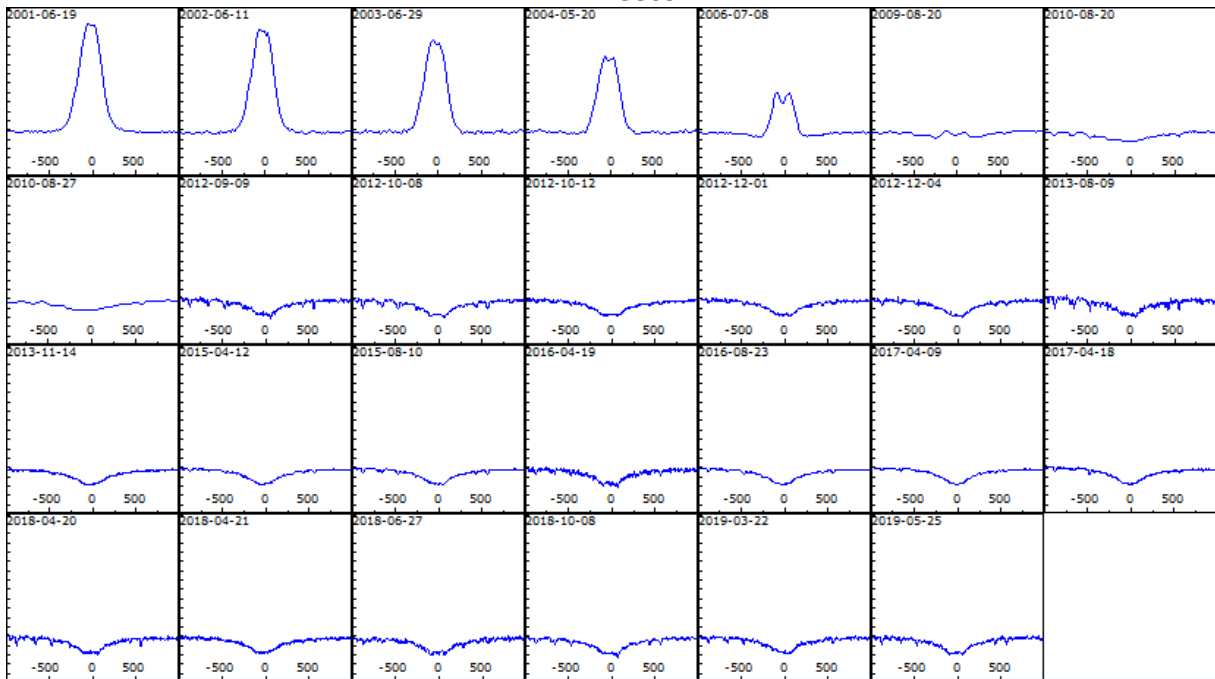
Equivalent With



HD 171219

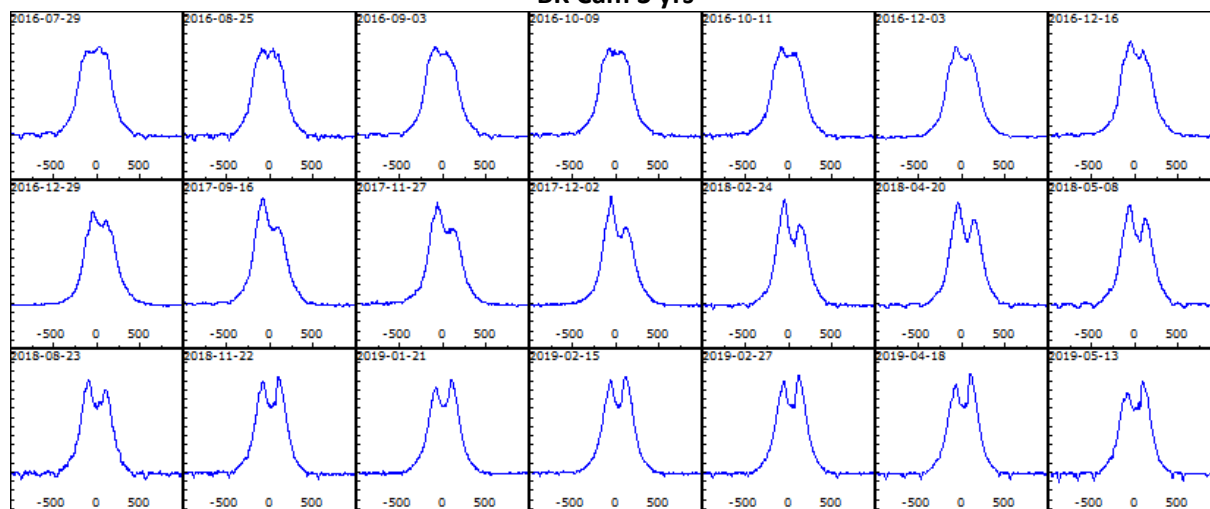


HD 175863

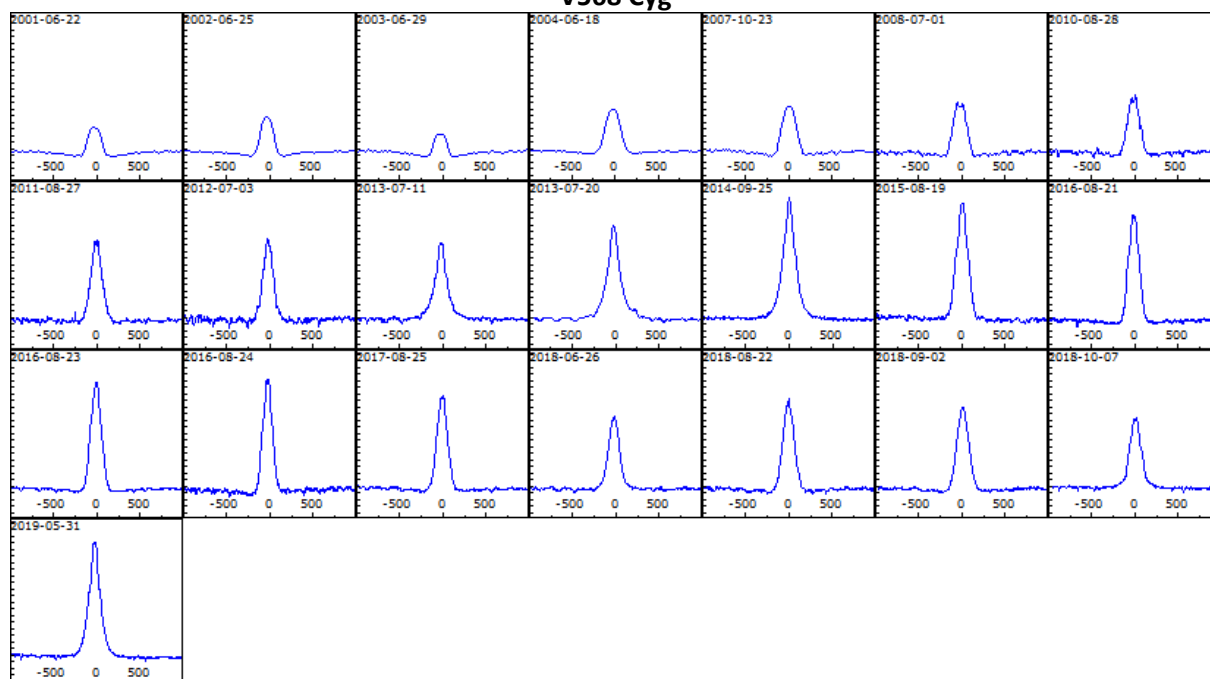


Emission decrease of H-alpha line

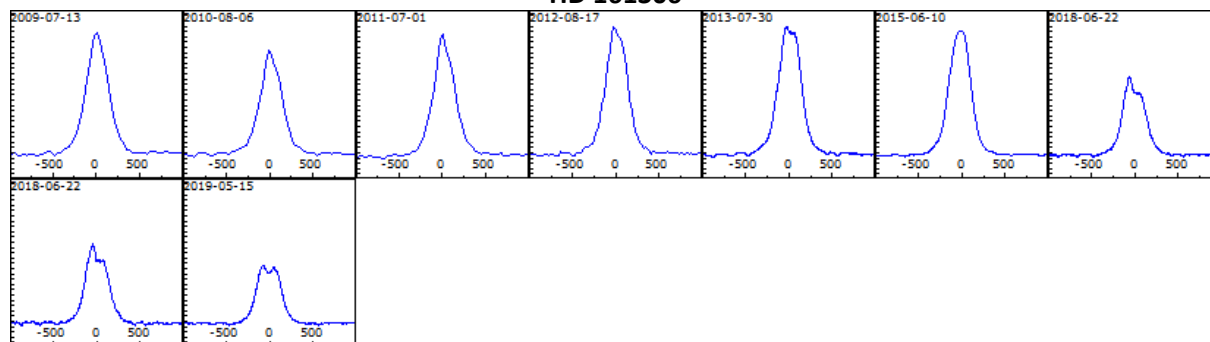
BK Cam 3 yrs



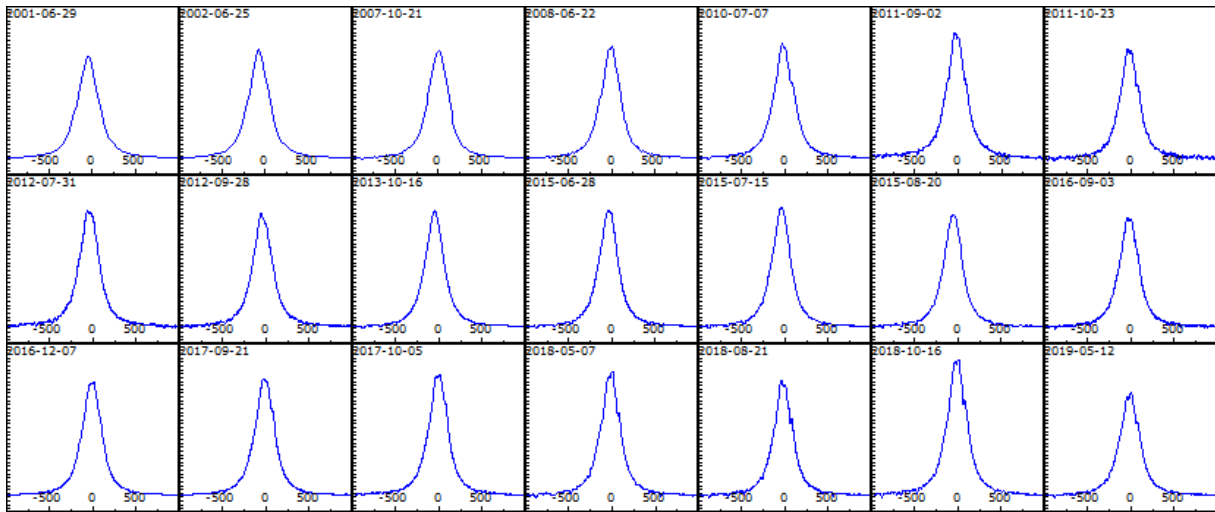
V568 Cyg



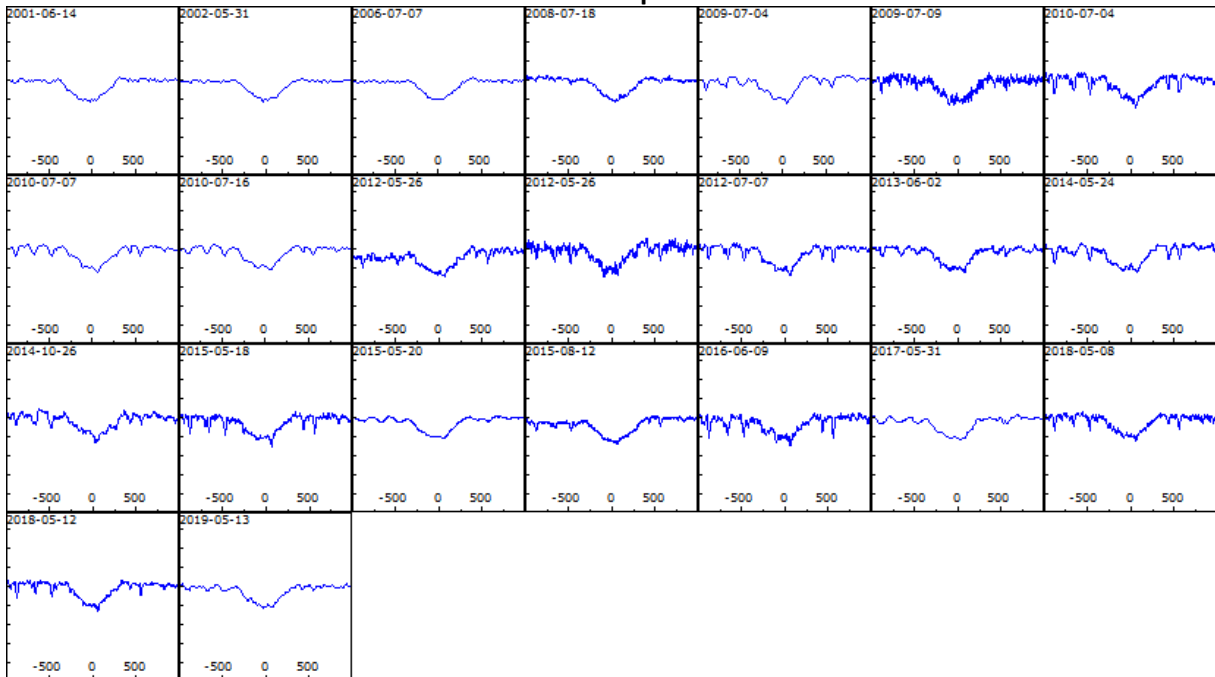
HD 161306

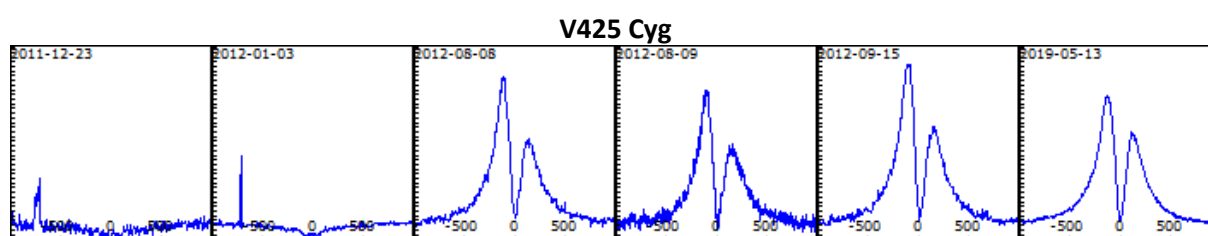
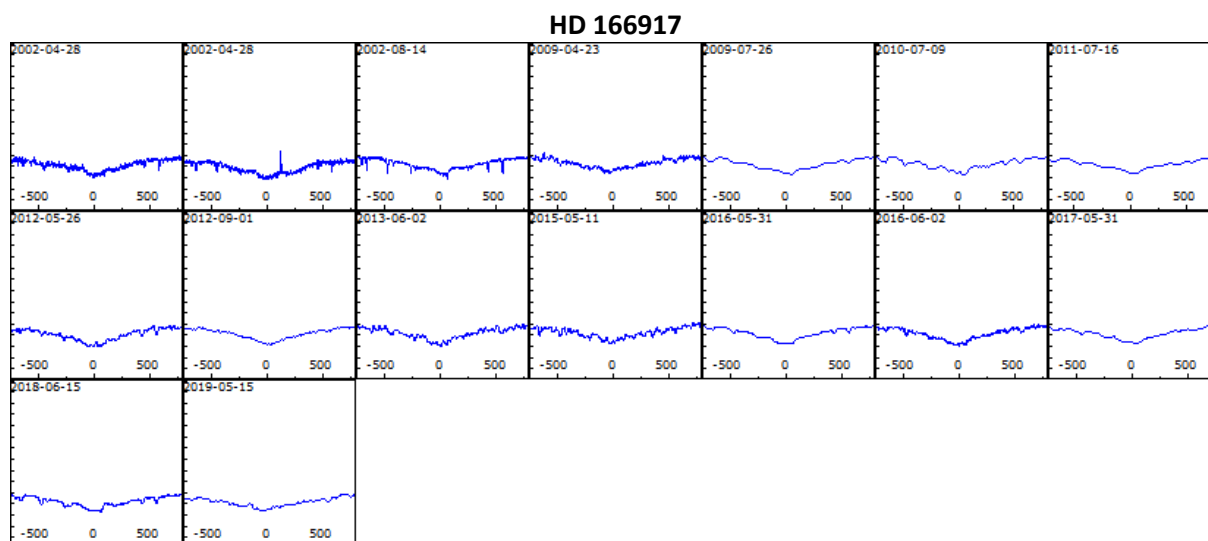


HD 203374



V986 Oph





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/>