

BeSS report – October 2019

Data compiled by Valérie Desnoux – H-alpha monitoring

- 102 stars were observed
- 25 Observers contributed this month
- 290 Spectra

Observers...

Observateur	Nb spec
Thizy	66
Guarro Fló	32
James	30
de Bruin	22
Buil	17
Stiewing	15
Charbonnel	14
Leadbeater	14
Graham	12
Bryssinck	8
Halsey	7
Boureille	7
Daglen	7
HOUPERT	6
Bohlsen	6
Li	5
Lester	4
Sollecchia	4
GARDE	4
Pollmann	3
Favaro	3
BERNARD	1
Meunier	1
Boussier	1
Broussat	1
Total général	290

Events of the month...

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

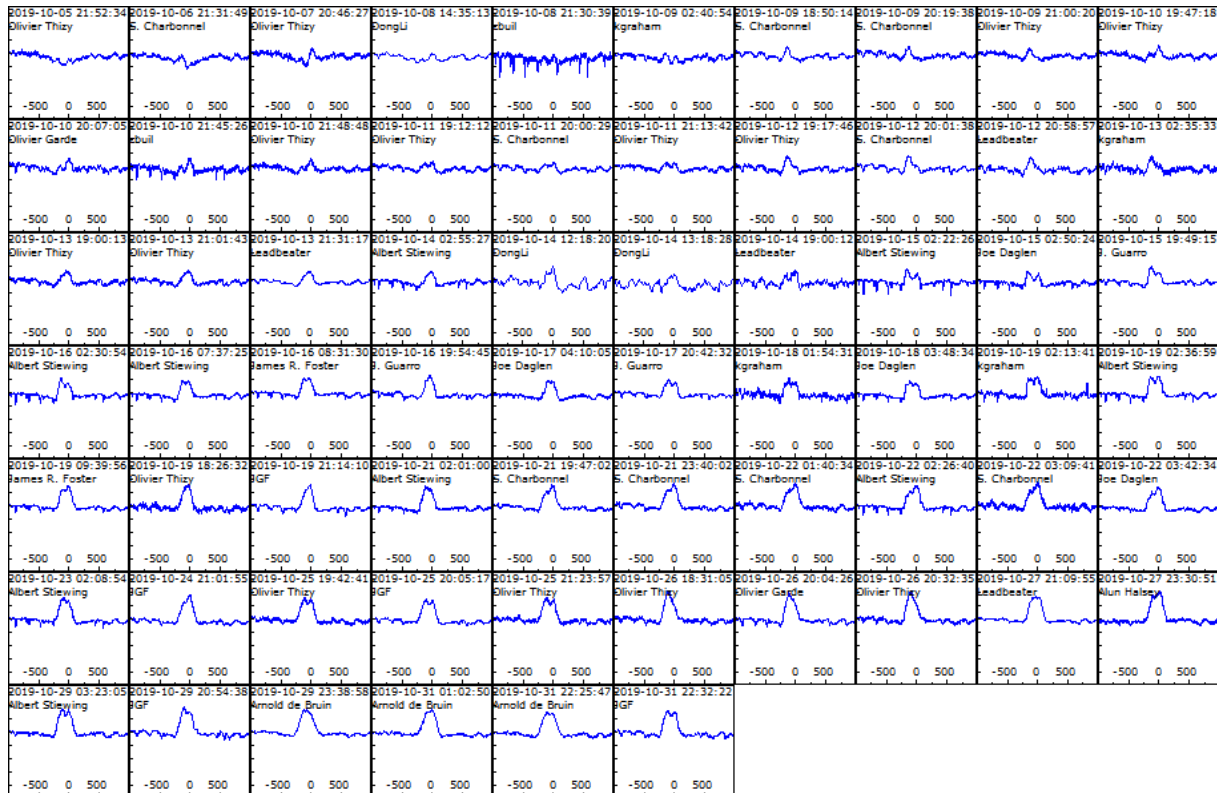
EE	ME	DE
V442 And	V357 Lac	phi Per
V2162 Cyg	69 Ori	V818 Cas
lam Cyg	phi And	QR Vul
V1362 Cyg	omi Pup	V2153 Cyg
HD 224544	V1165 Tau	105 Tau
zet Tau	15 Mon	V1448 Aql
14 Lac	z Her	CX Dra
NW Ser	CR Cam	V421 Cep
HD 204185	HD 181709	BK Cam
BD+61 39	V750 Ara	HD 196712
HD 162428		QV Tel
V378 And		V2156 Cyg
HD 15963		HD 50658
V457 Sct		HD 195554
HD 30123		V1446 Aql
HD 237056		

Objects observed

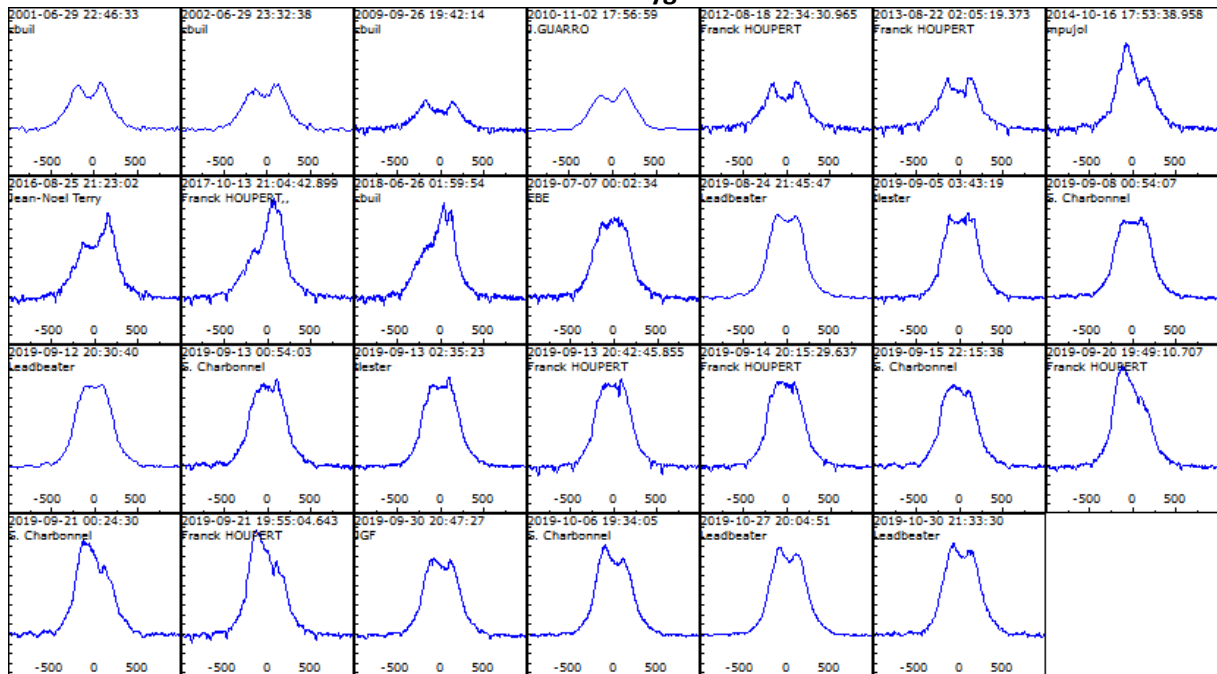
Classique							
V442 And	V357 Lac	PLEIONE	phi Per	V818 Cas	HD 29866	V1446 Aql	BG Phe
gam Cas	pi Aqr	28 Cyg	QR Vul	HD 206773	25 Cyg	V979 Cas	V750 Ara
V2162 Cyg	V1294 Aql	69 Ori	HD 339483	omi And	lam Cyg	HD 237056	HD 32188
phi And	psi Per	18 And	V1362 Cyg	ALFIRK	V923 Aql	V435 Cep	HD 181709
V2153 Cyg	HD 21455	HD 224544	HD 21620	zet Tau	OT Gem	HD 13561	HD 4931
105 Tau	ALCYONE	HD 21362	HD 20899	HD 26398	HD 237091	gam Ara	HD 344873
V1437 Aql	omi Pup	V1448 Aql	CX Dra	V421 Cep	14 Lac	HD 30123	HD 163007
SHELIAK	HD 193182	HD 183339	HD 22780	V420 Cep	EW Lac	V372 Sge	V457 Sct
BK Cam	HD 9709	CT Cam	20 Vul	HD 196712	V423 Lac	HD 190150	HD 37352
HD 204185	NW Ser	QV Tel	HD 20017	BD+61 39	HD 203374	HD 197434	CR Cam
HD 191378	V2156 Cyg	alf Ara	bet CMi	nu Gem	V1165 Tau	HD 174705	8 Lac B
HD 44783	HD 162428	HD 50658	15 Mon	z Her	bet Cyg B	56 Eri	HD 15963
V378 And	HD 195554	lam Eri	13 Tau	MEROPE	kap Aql		

Emission increase since last observations

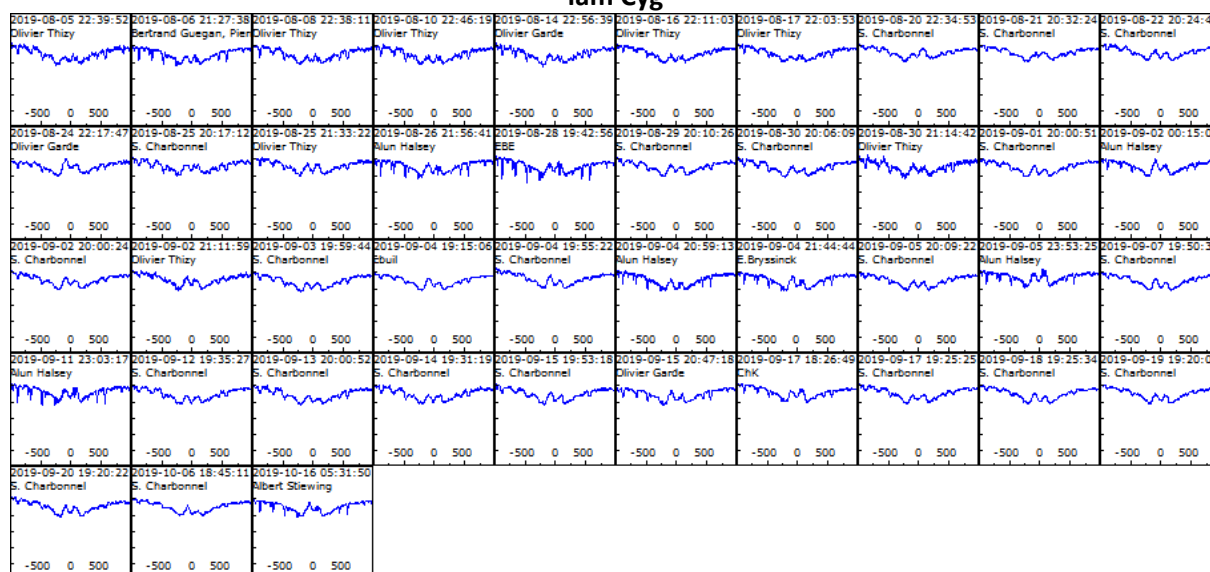
V442 And



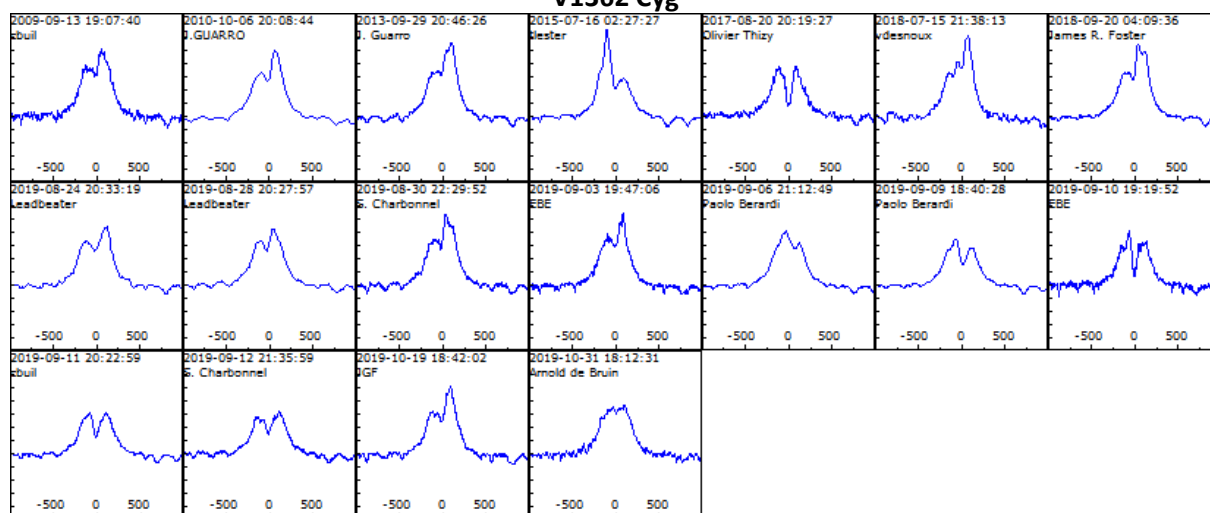
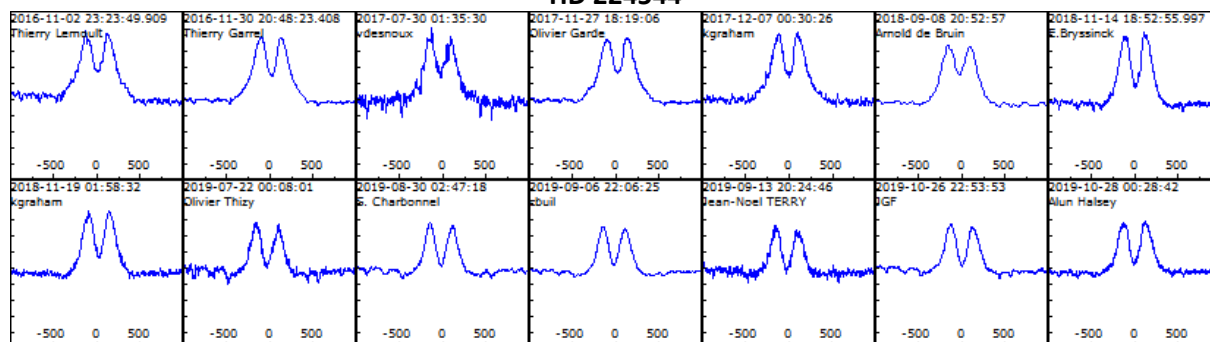
V2162 Cyg



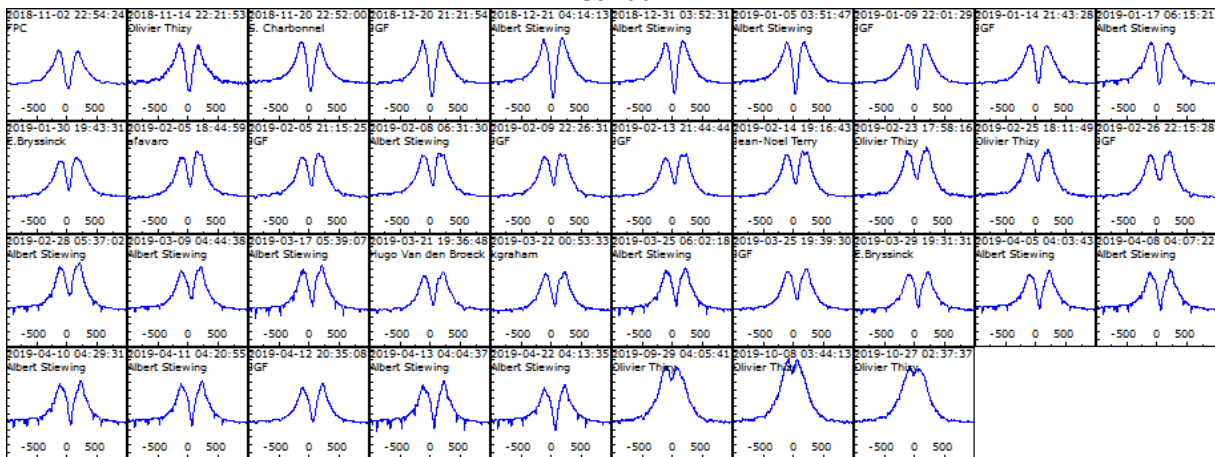
Iam Cyg



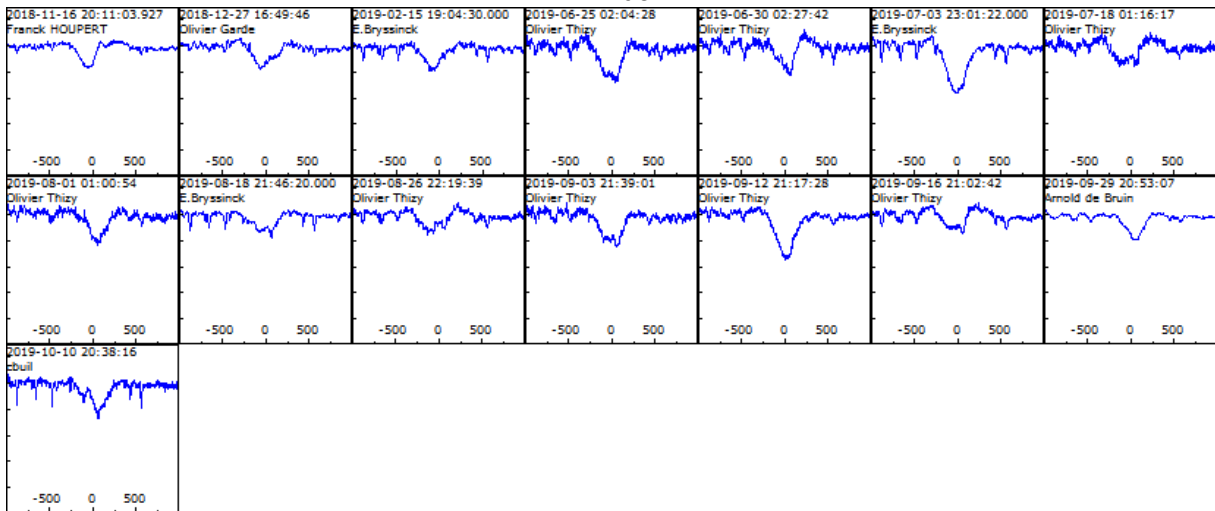
V1362 Cyg

**HD 224544**

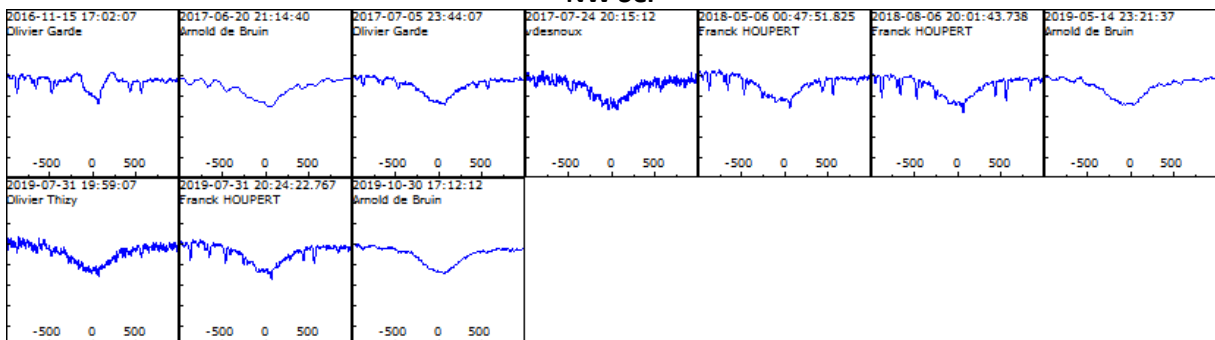
zet Tau



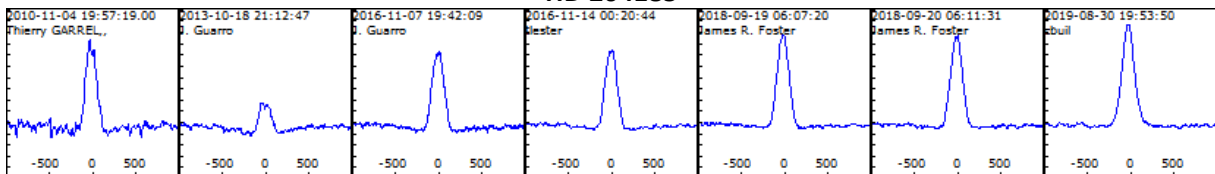
14 Lac



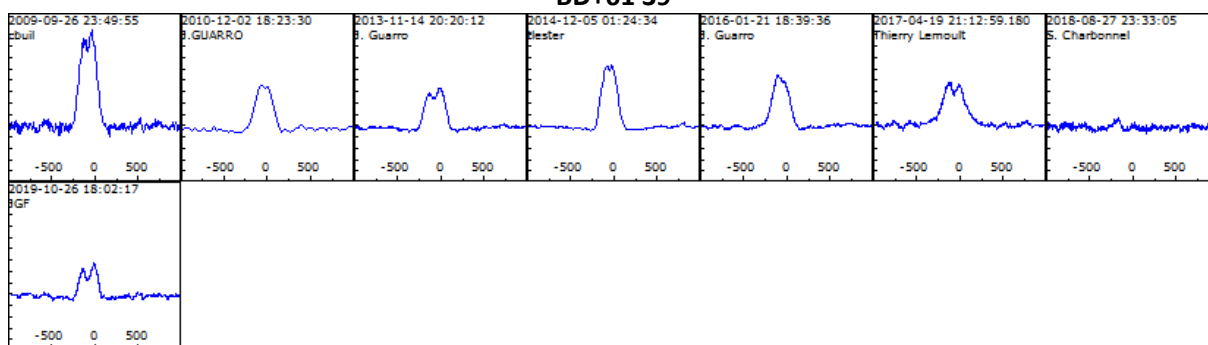
NW Ser



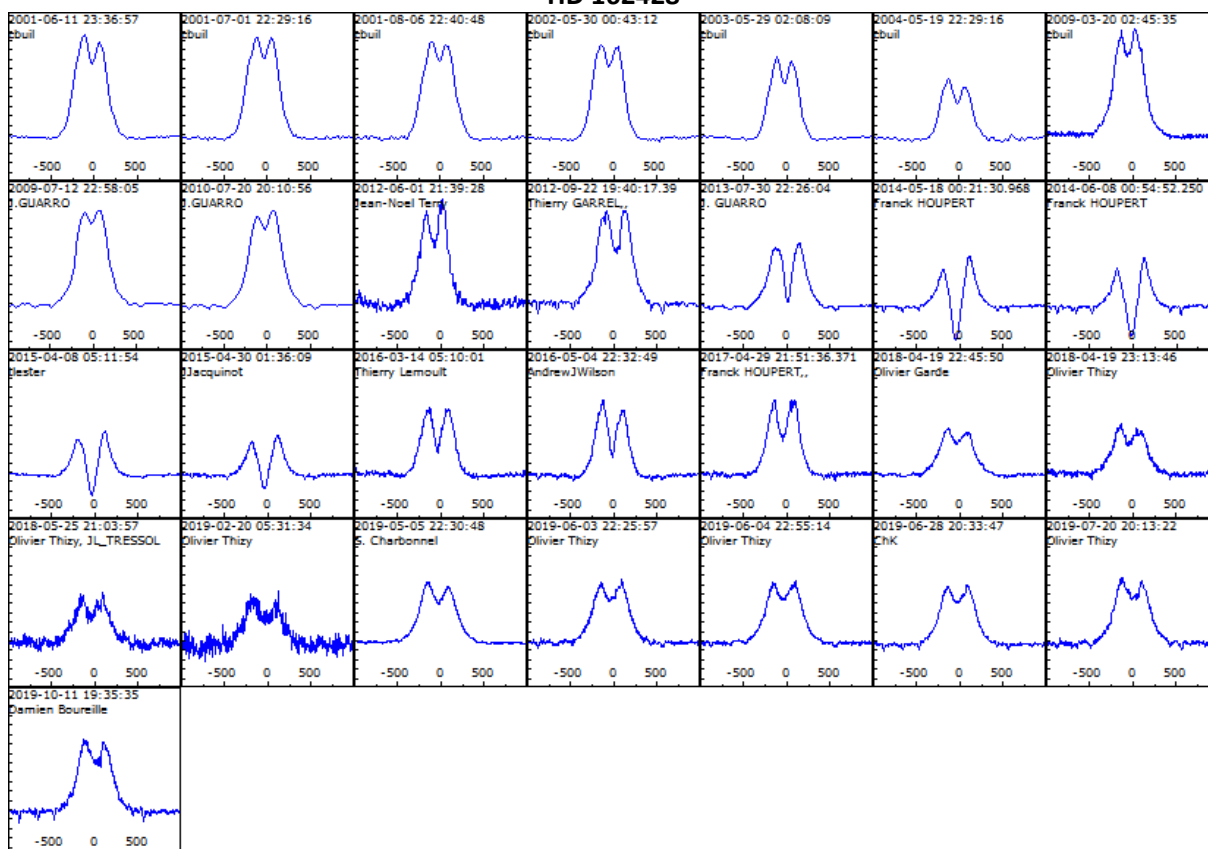
HD 204185



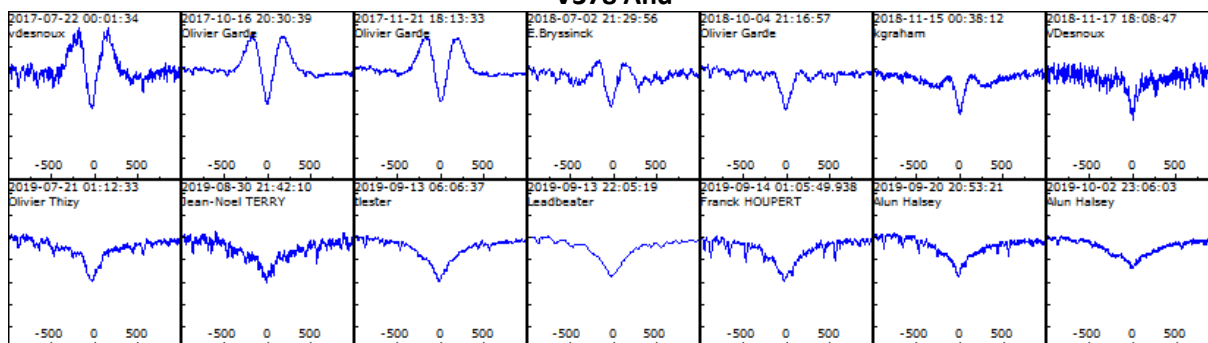
BD+61 39



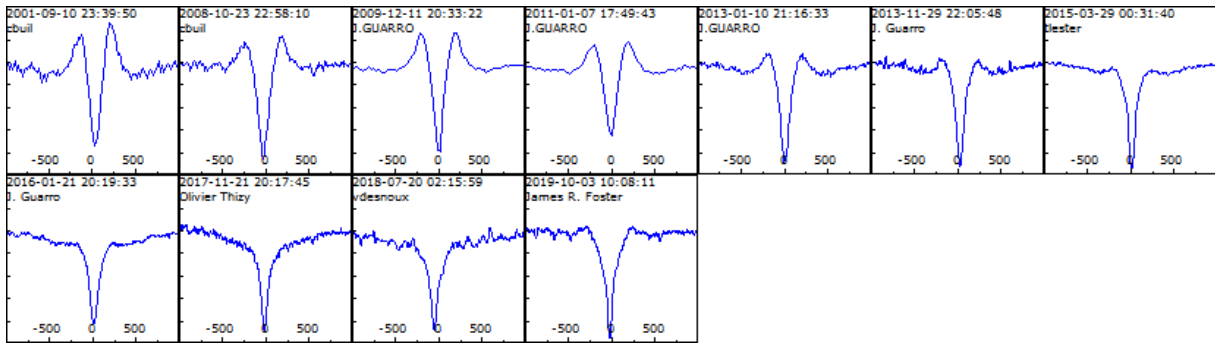
HD 162428



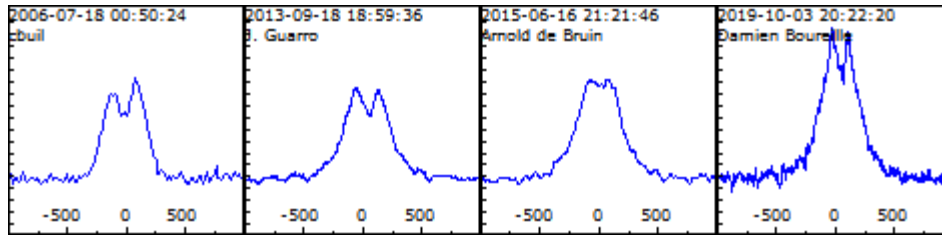
V378 And



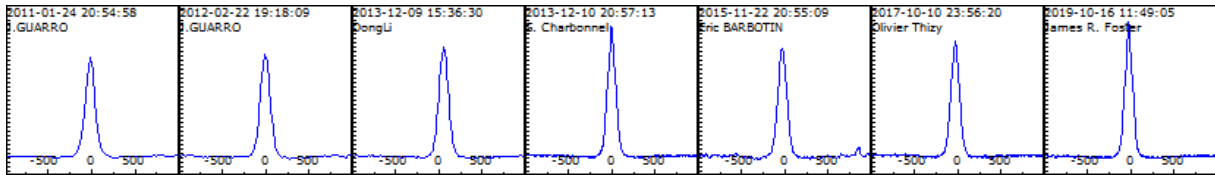
HD 15963



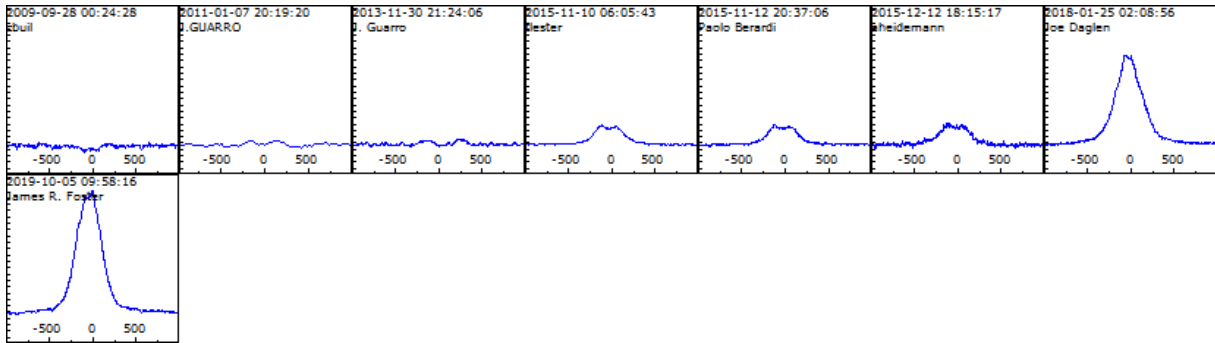
V457 Sct



HD 30123

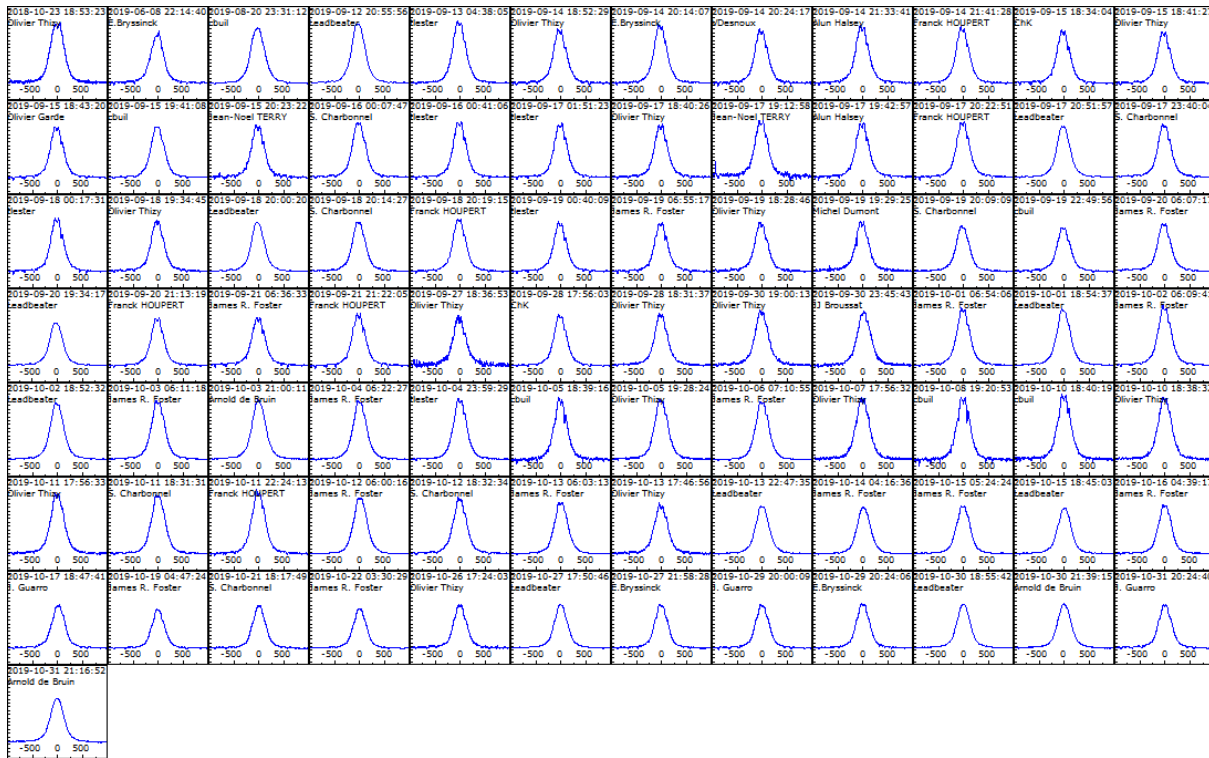


HD 237056

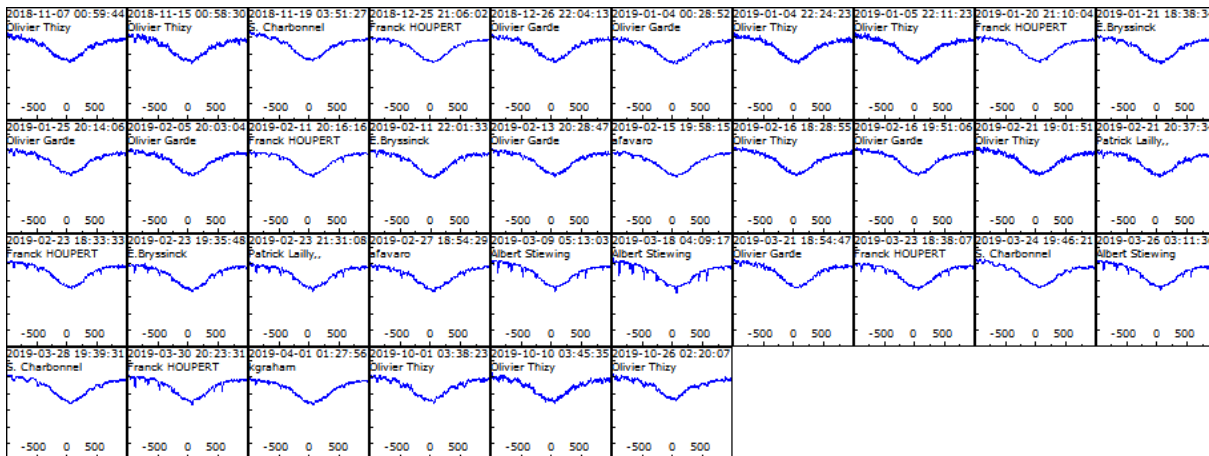


Moderate evolution of H-alpha line

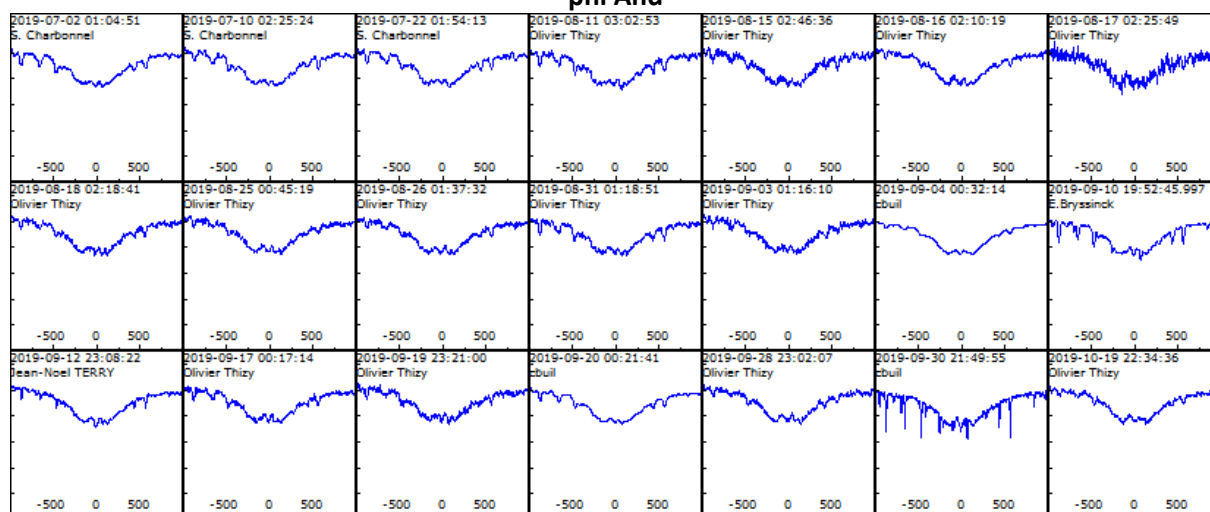
V357 Lac



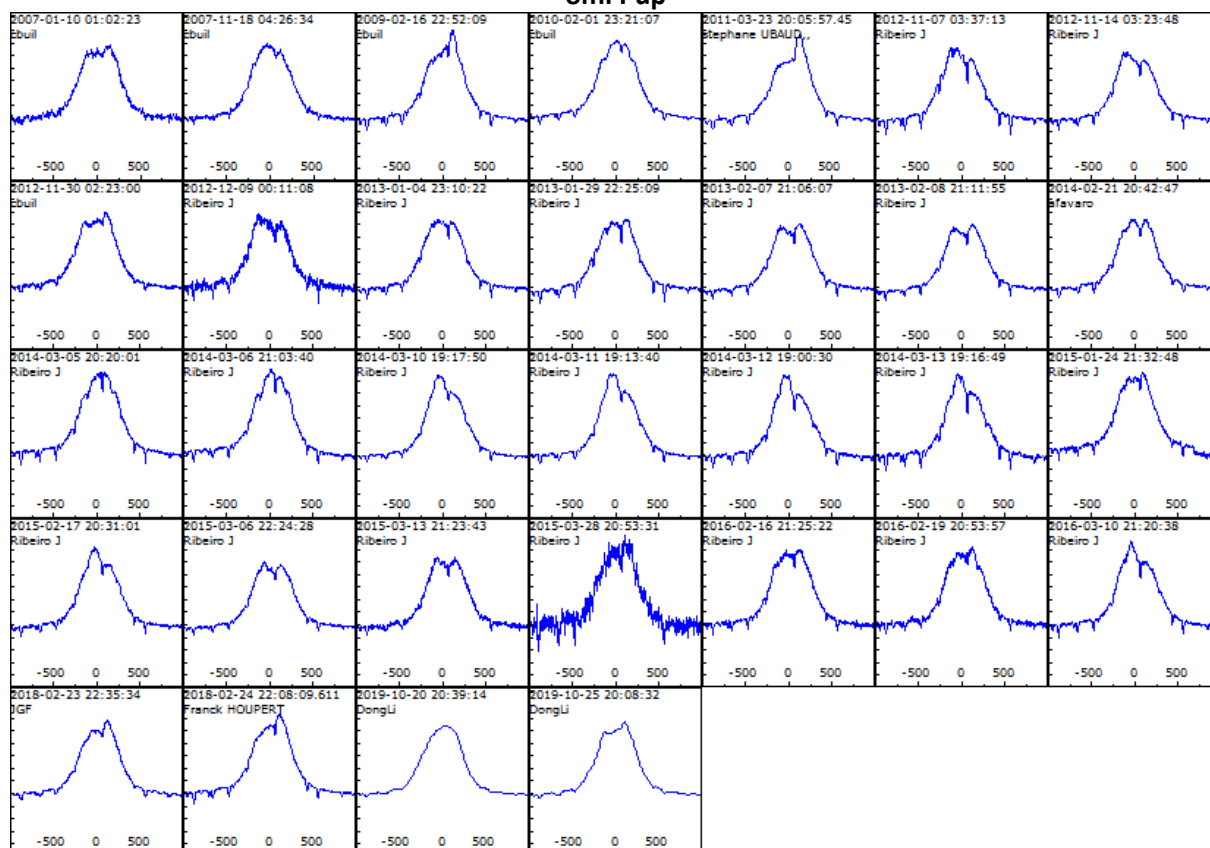
69 Ori



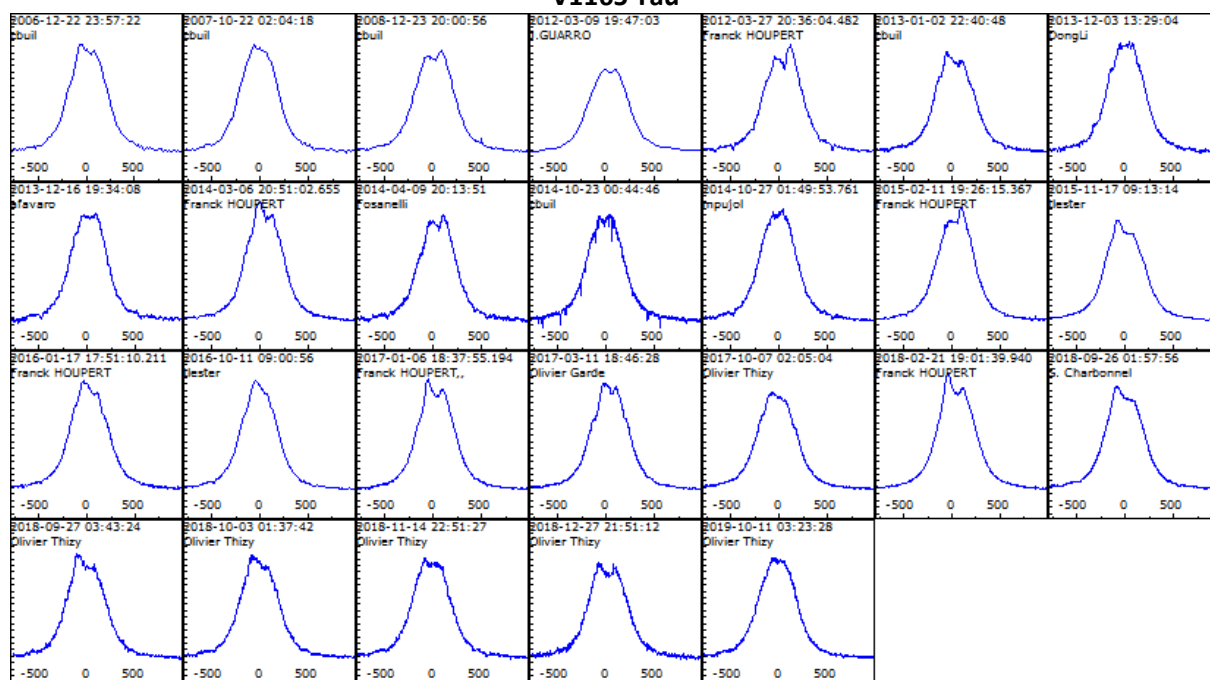
phi And



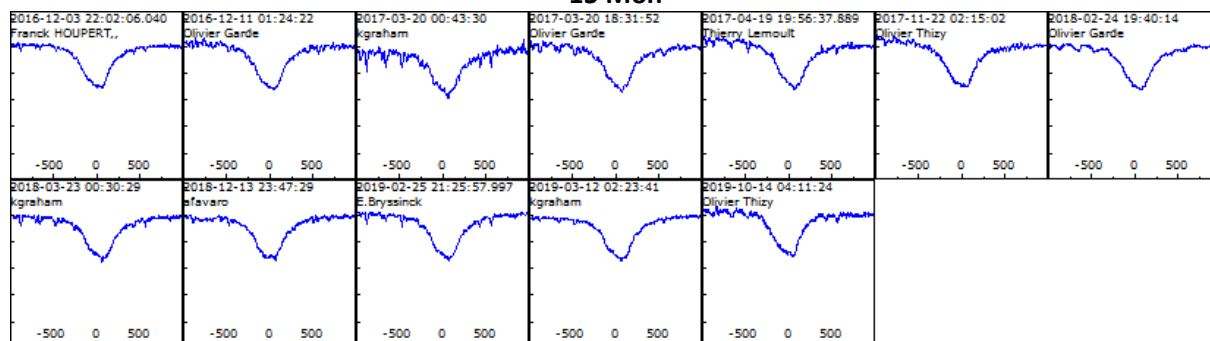
omi Pup



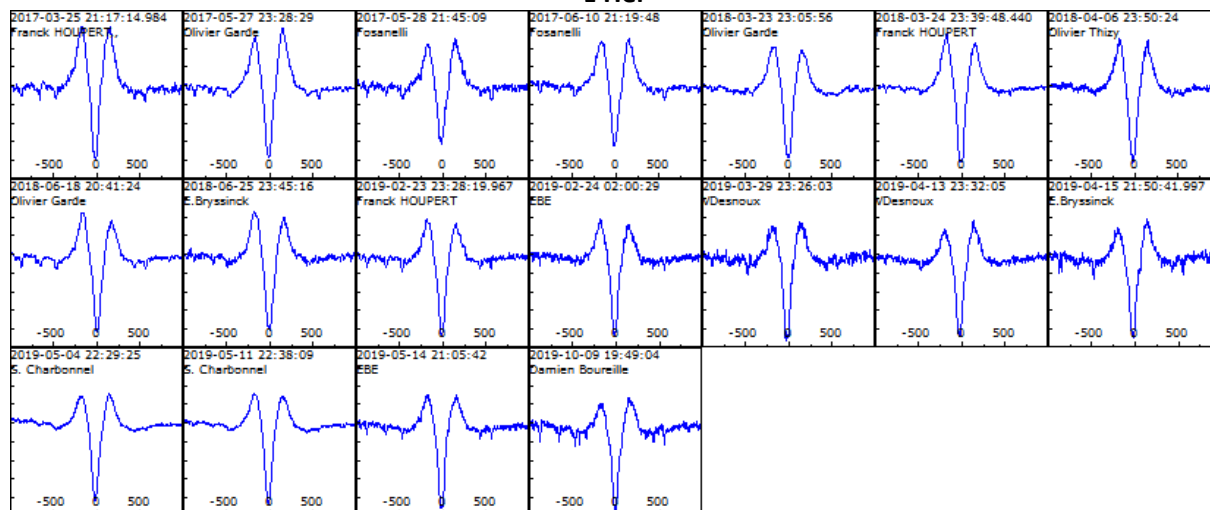
V1165 Tau



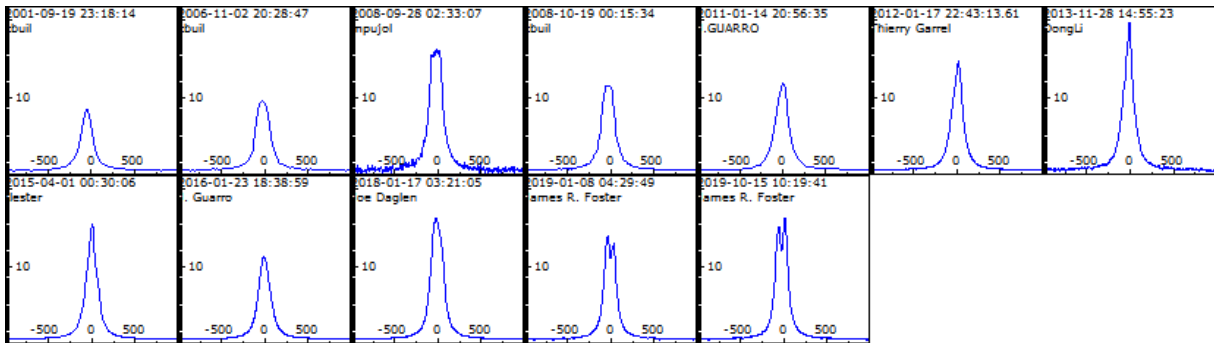
15 Mon



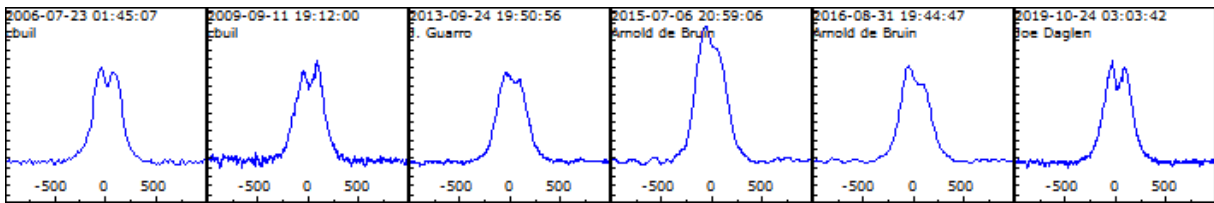
z Her



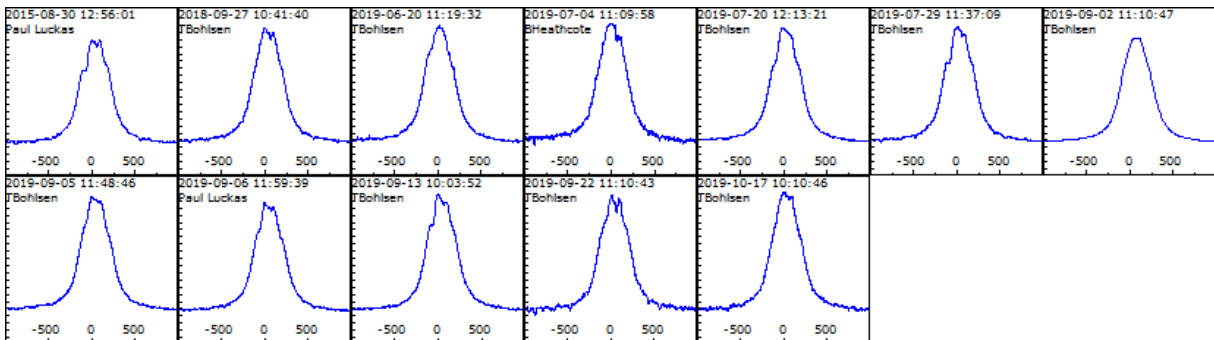
CR Cam



HD 181709

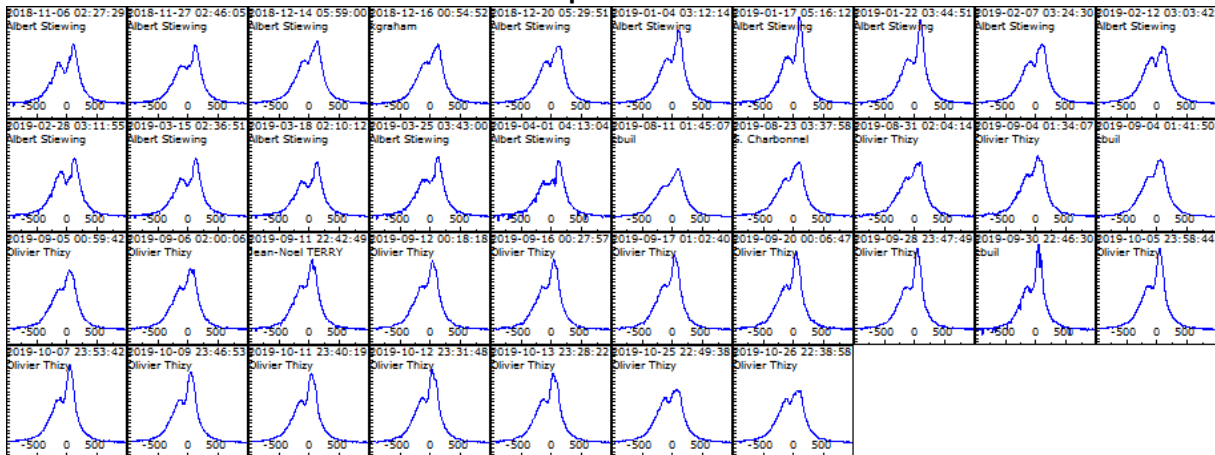


V750 Ara

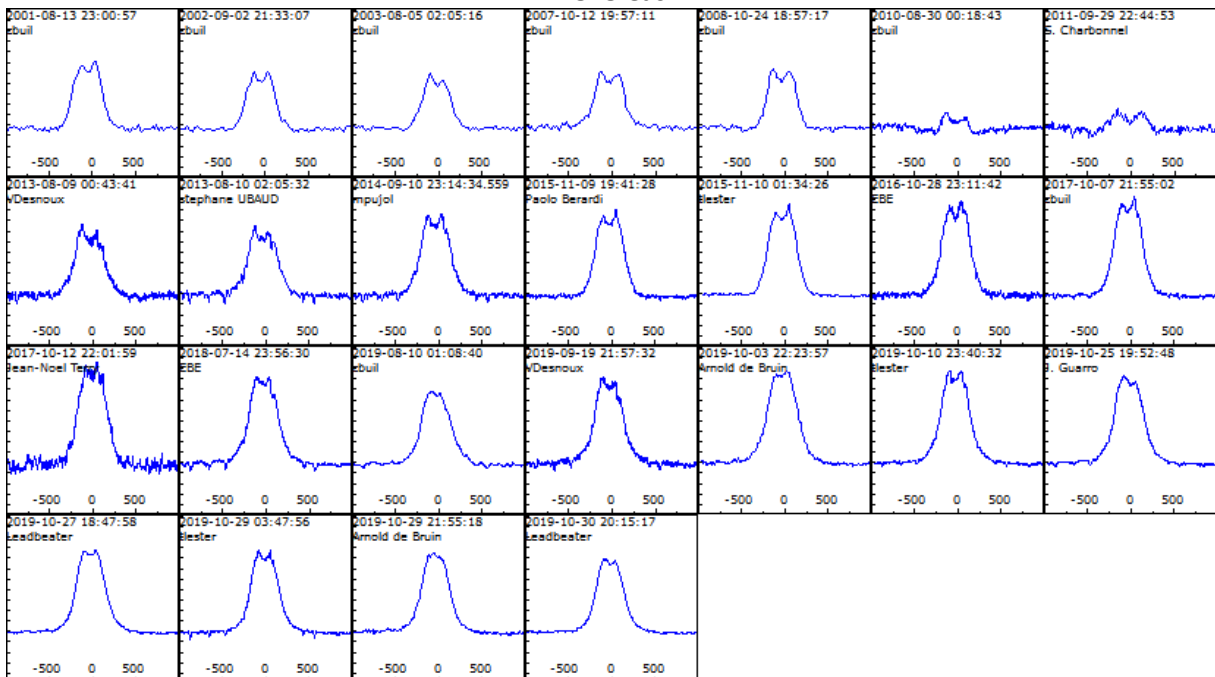


Emission decrease of H-alpha line

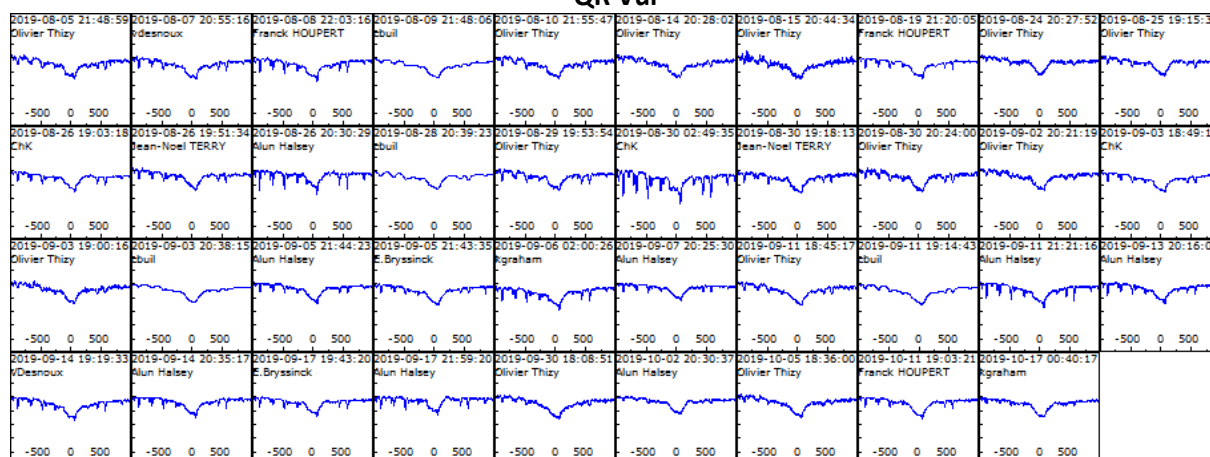
phi Per



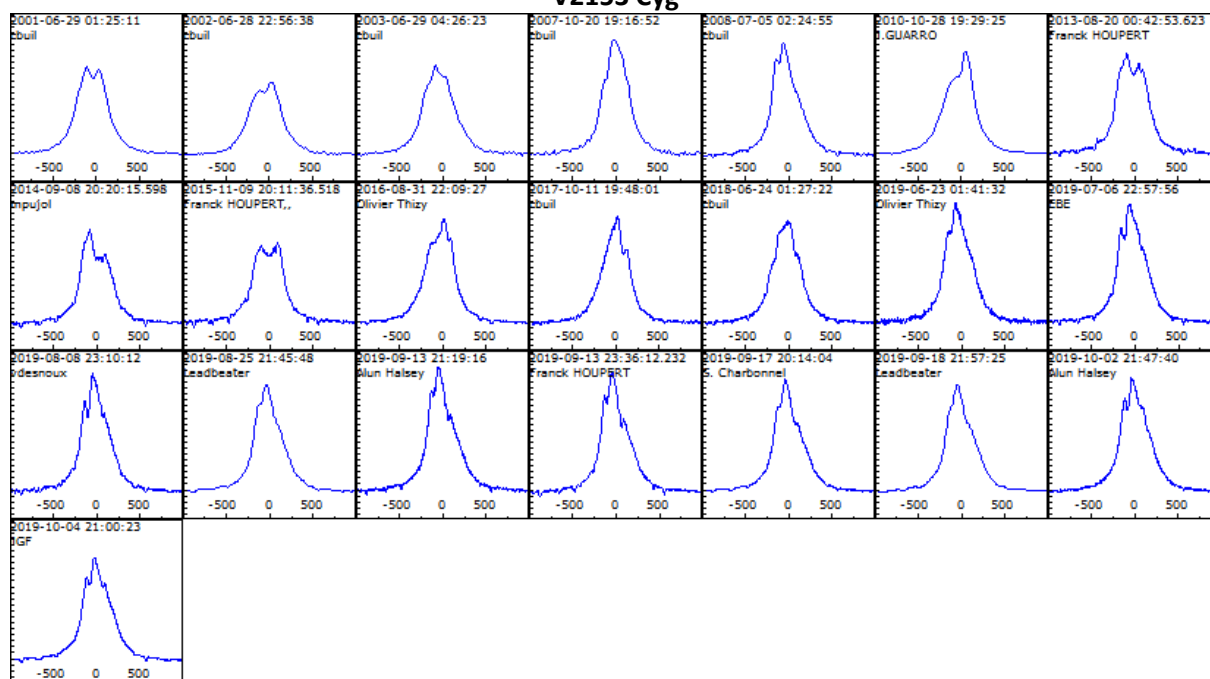
V818 Cas



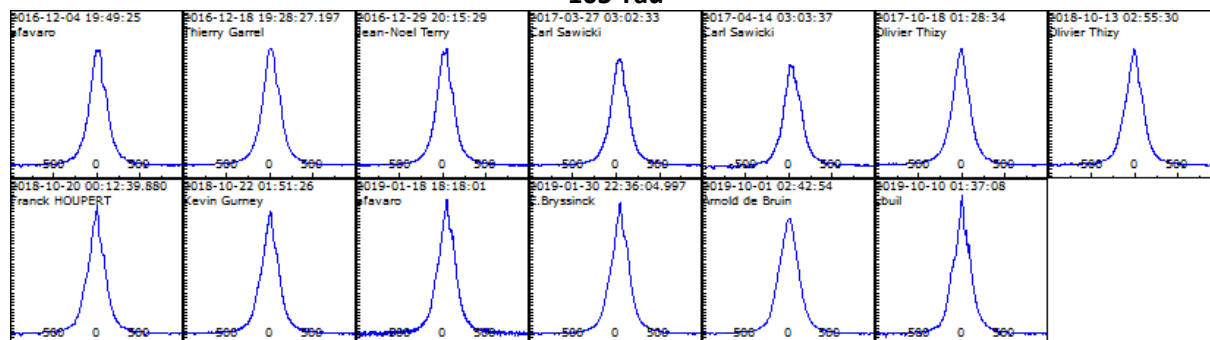
QR Vul



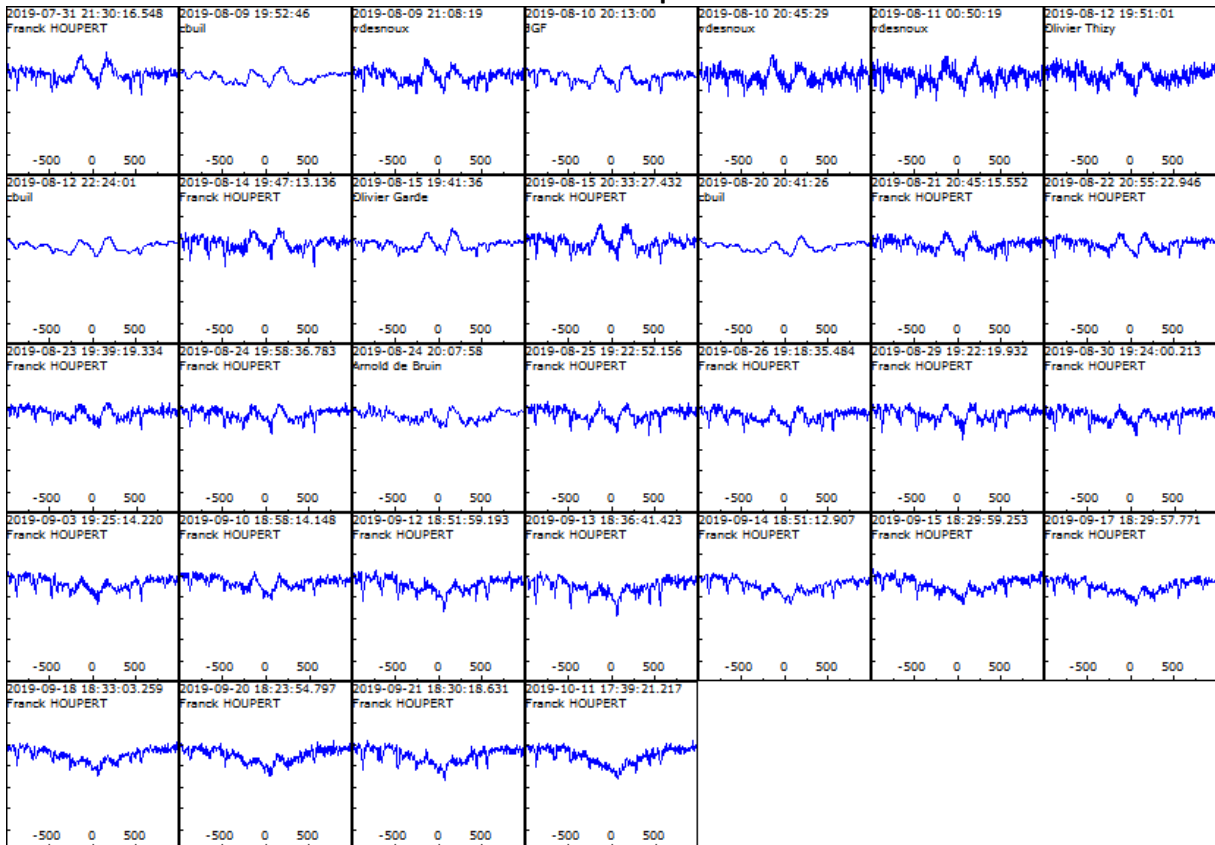
V2153 Cyg



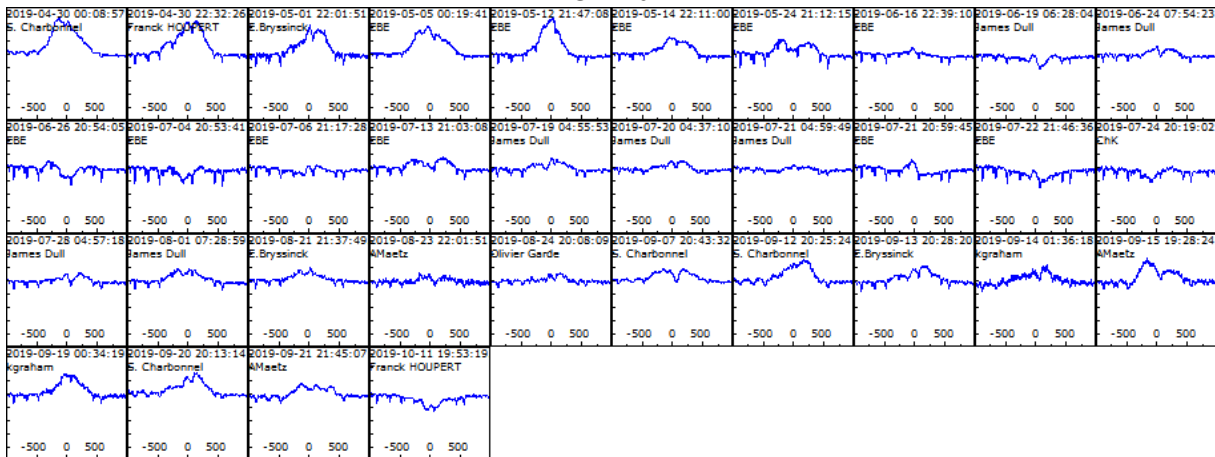
105 Tau



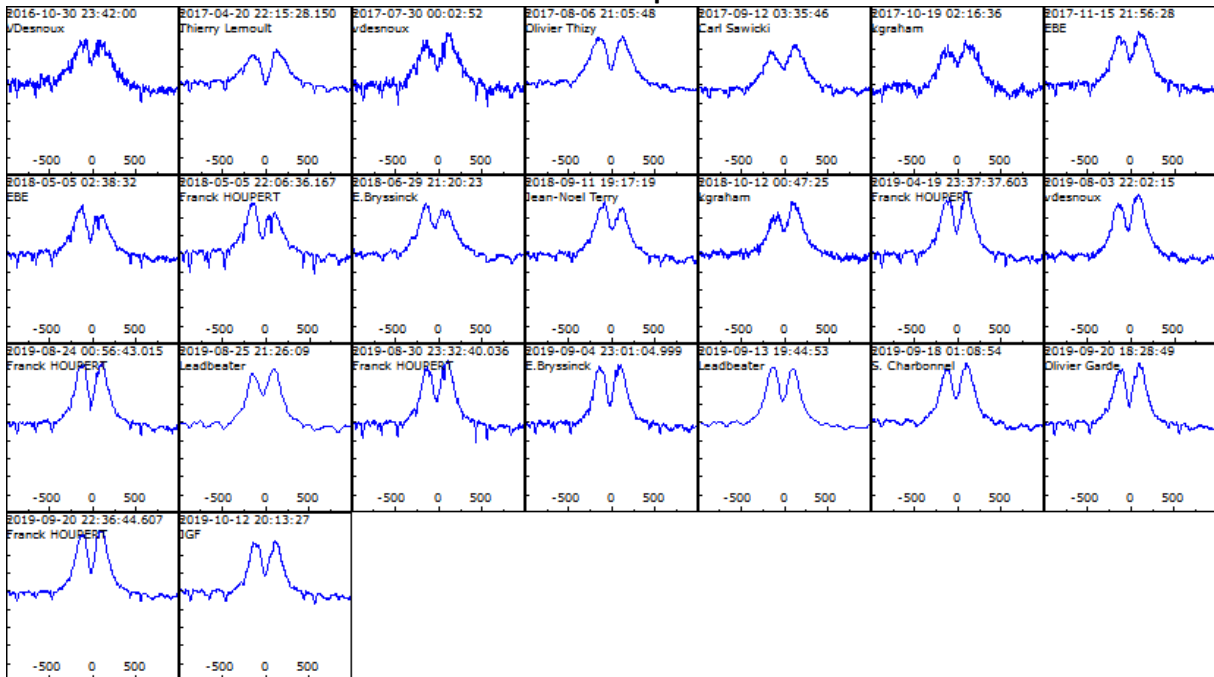
V1448 Aql



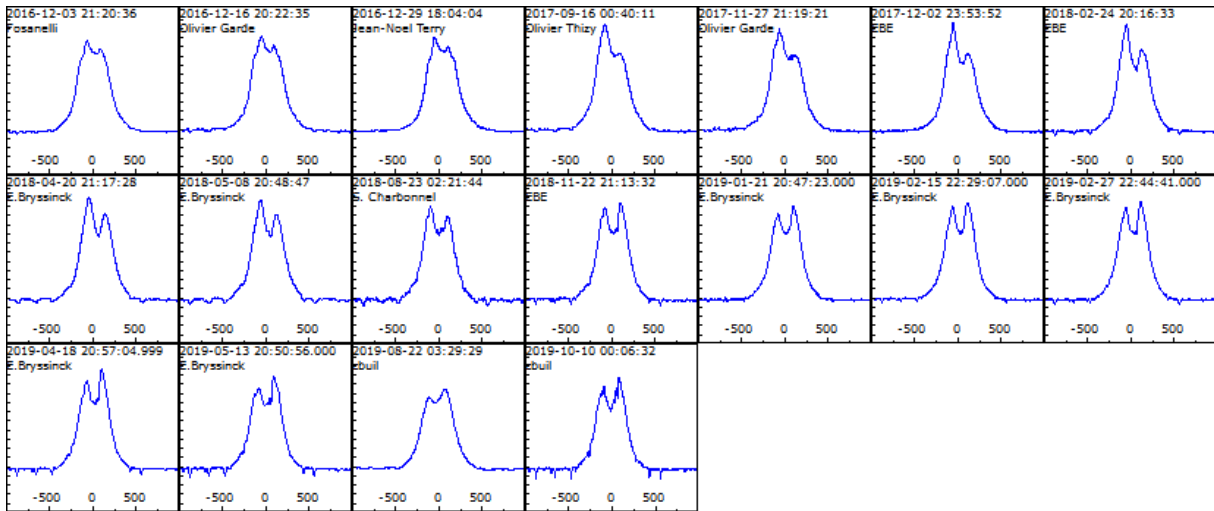
CX Dra



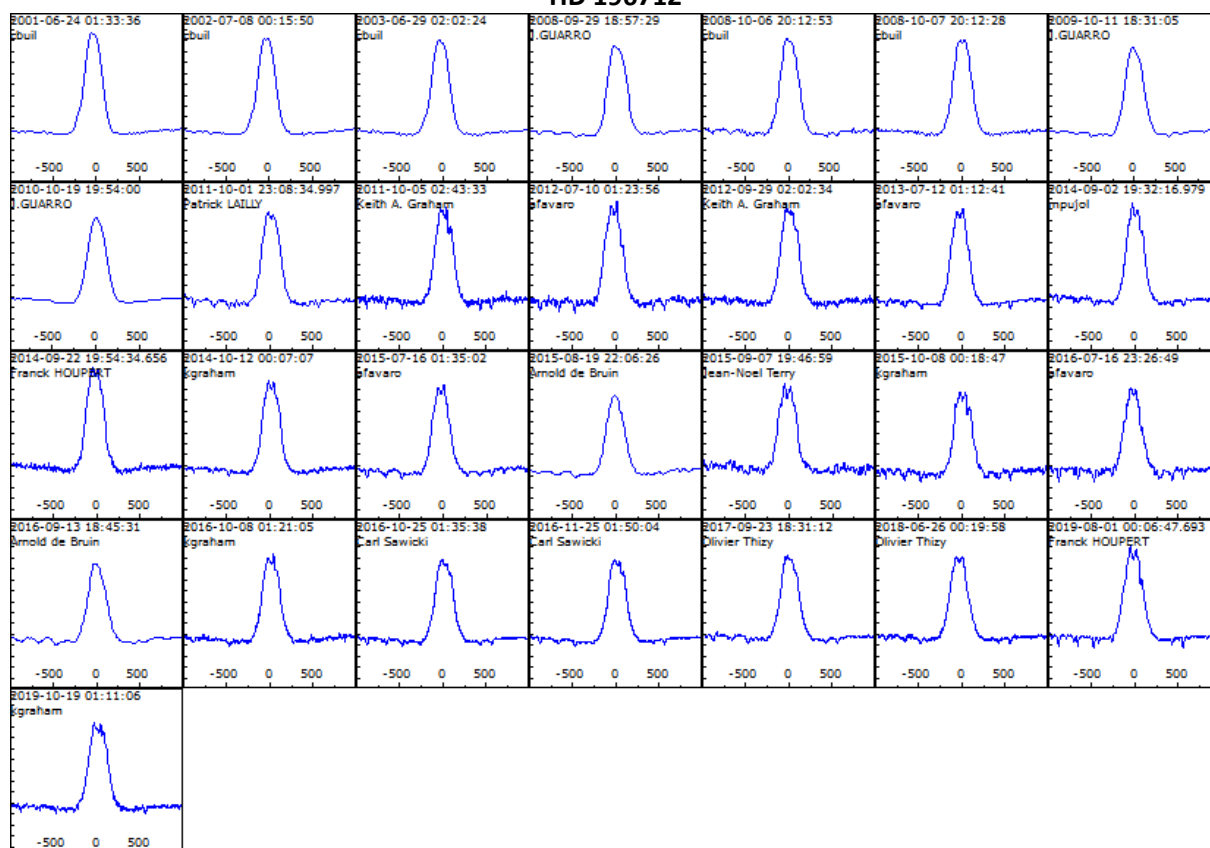
V421 Cep



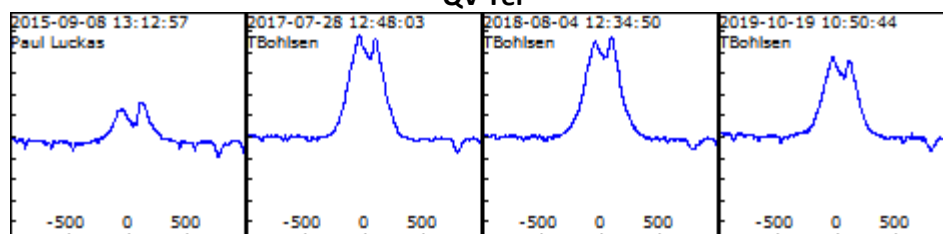
BK Cam



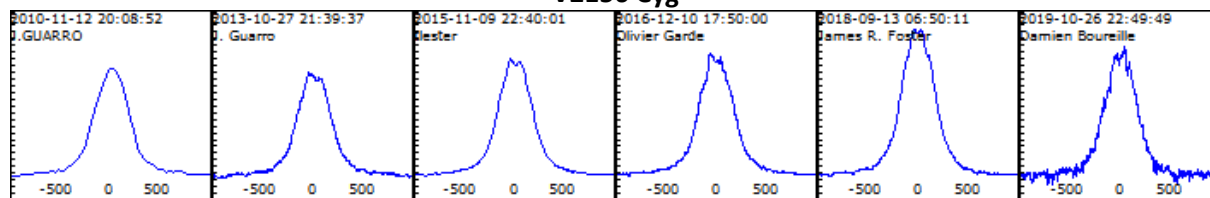
HD 196712



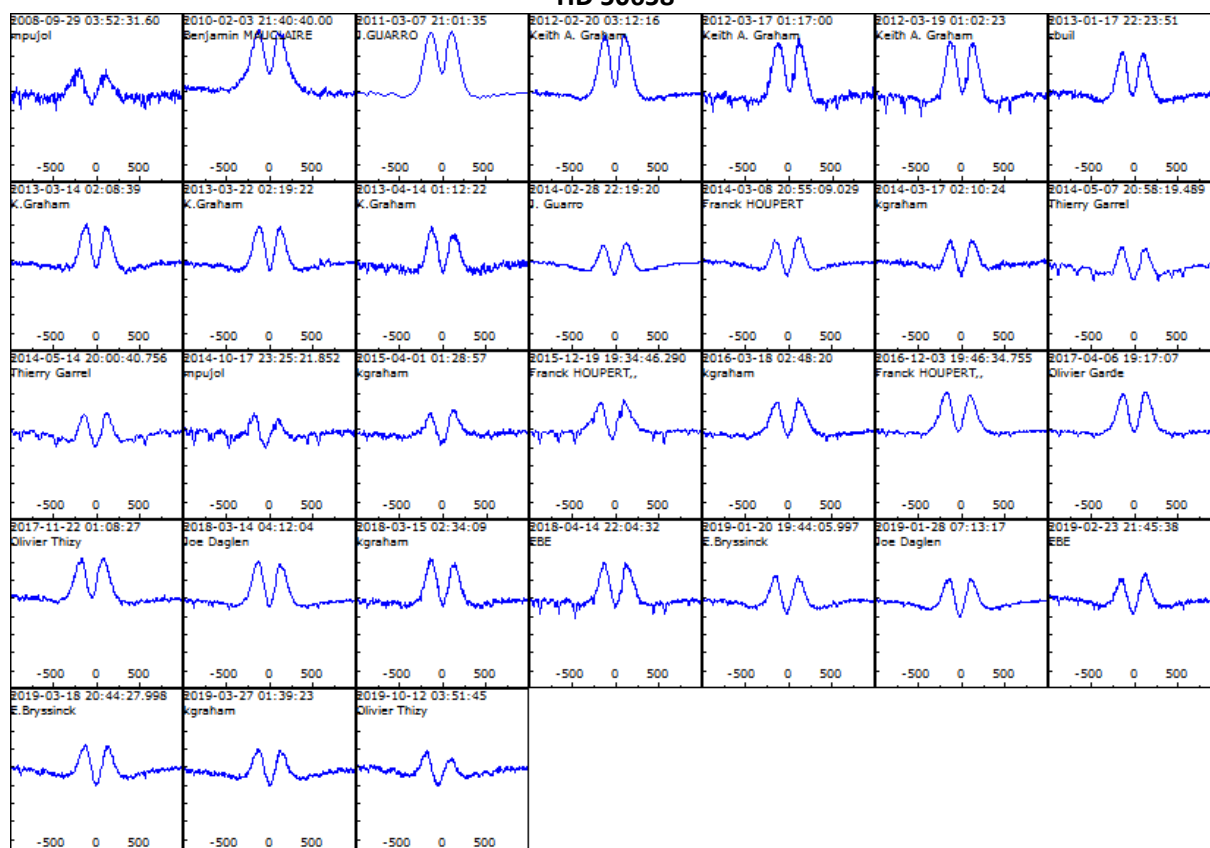
QV Tel



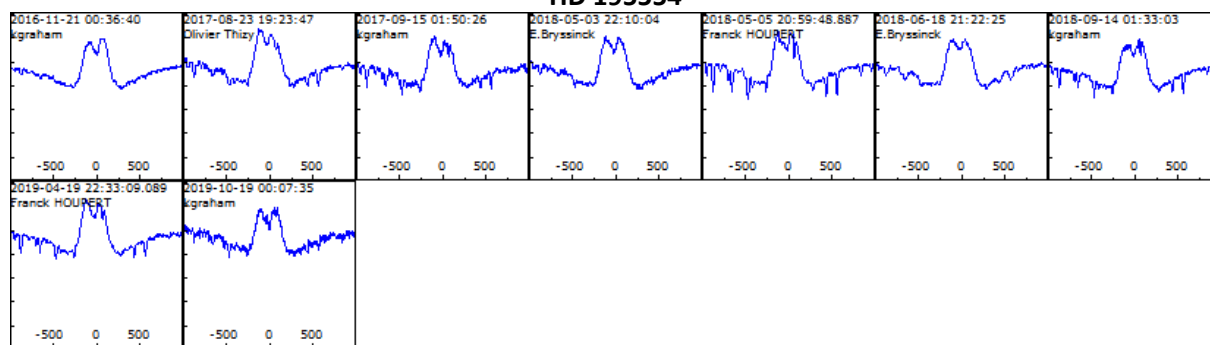
V2156 Cyg



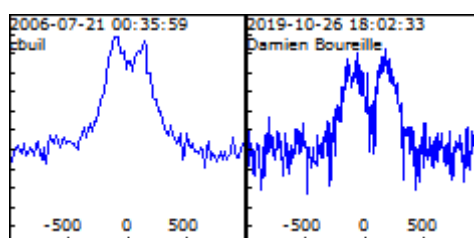
HD 50658



HD 195554



V1446 Aql



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.

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/>