

BeSS report – Feb 2019

Data compiled by Valérie Desnoux – H-alpha monitoring

- 127 stars were observed
- 25 Observers contributed this month
- 338 Spectra

Observers...

Observateur	Nb spec
Thizy	57
Favaro	44
Bryssinck	42
HOUPERT	39
GARDE	34
Guarro Fló	28
bertrand	16
Stiewing	13
TERRY	12
KREIDER	8
Gurney	7
Charbonnel	6
Leonardi	6
de Bruin	4
Dejean	4
DUBREUIL	4
Arlic	3
Bohlsen	2
Fosanelli	2
Daglen	2
MARTIN	1
James	1
Meunier	1
Graham	1
Doctor	1

Events of the month...

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

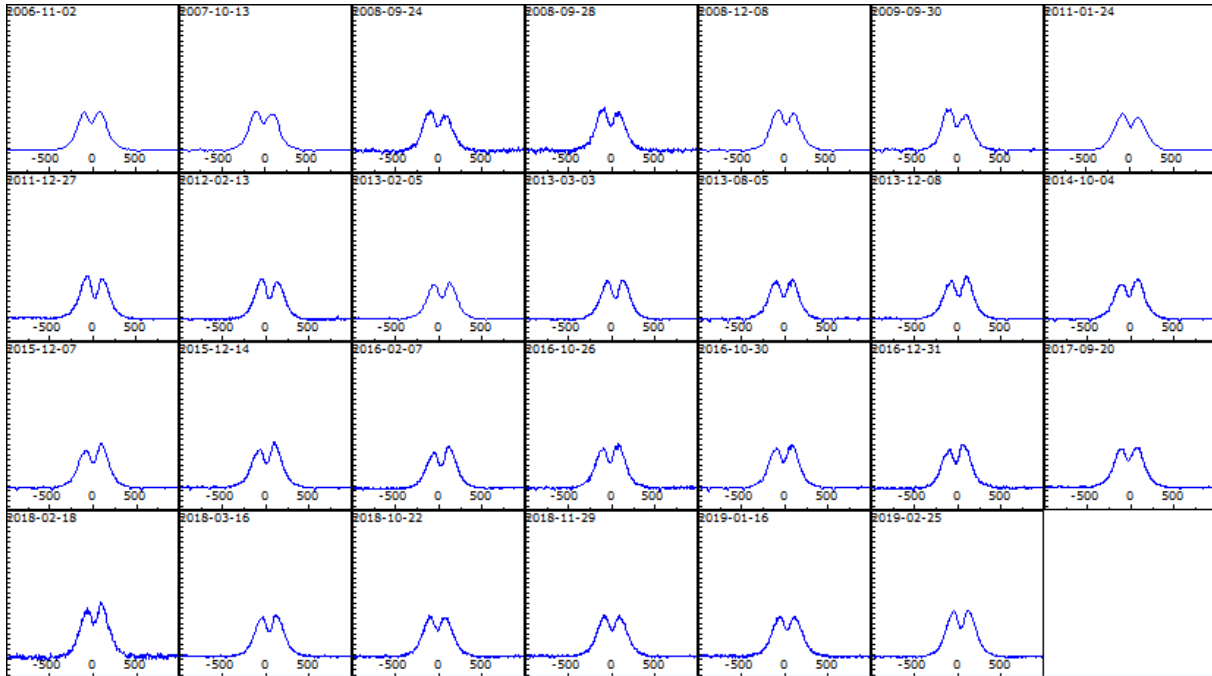
EE	ME	DE
HD 29866	V442 And	phi Per
120 Tau	omi And	HD 171780
BN Gem	CX Dra	OT Gem
QY Gem	HD 17505	kap Dra
V1163 Tau	tet CrB	V1369 Ori
V743 Mon	nu Gem	12 Aur
HD 237091	V1165 Tau	HD 44996
FW CMa	FY CMa	V413 Aur
GU CMa	I Hya	V763 Mon
HD 34257	HD 64109	V749 Mon
V742 Cas	z Her	OY Hya
CT Cam	25 Cyg	HD 43544
HD 44783	eta Ori	HD 51506
BT CMi	HD 50820	V725 Mon
HD 45995	V434 Aur	HD 49787
HD 18552	HD 61224	HD 237118
25 Ori	V447 Aur	HD 249695
HD 21641	V715 Mon	
HD 62367	V378 Pup	
HD 71072	HD 57682	
AX Mon	HD 39478	
HD 257473	V696 Mon	
BD+35 1169		

Objects observed

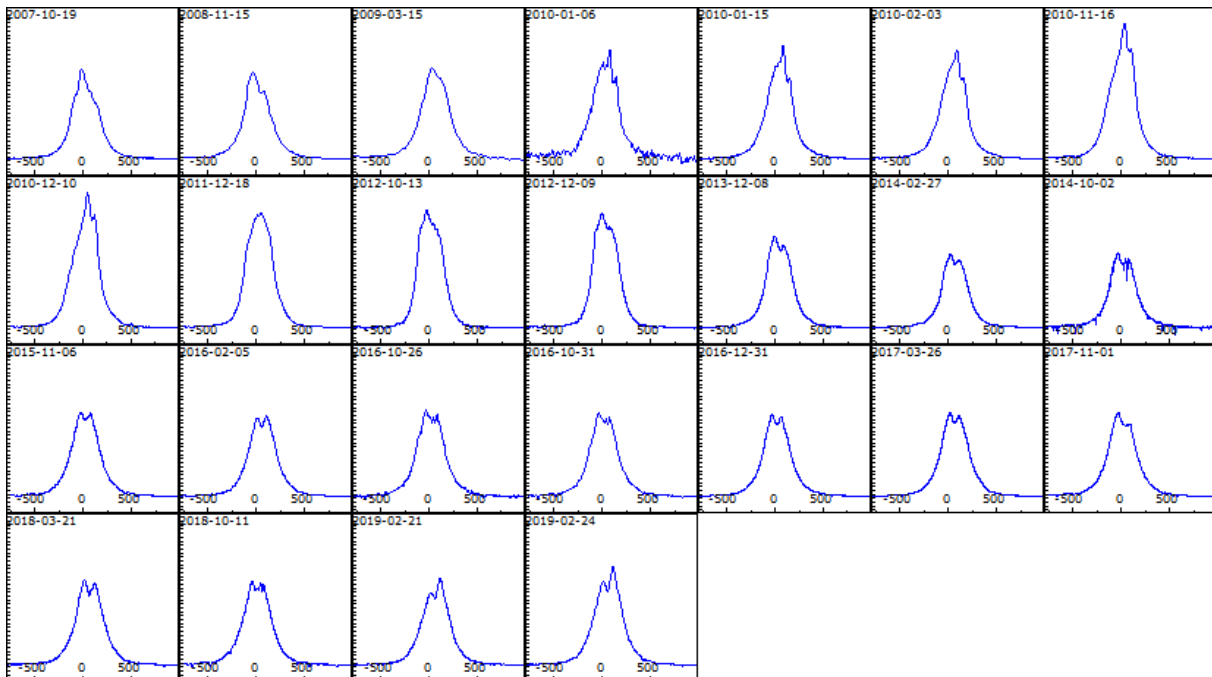
Classique						?	B[e]
V442 And	tet CrB	HD 162428	HD 50820	V715 Mon	V728 Mon	V742 Mon	I Pup
omi And	bet CMi	HD 50658	bet Mon A	V378 Pup	HD 43544	GU CMa	
phi And	ome Ori	CQ UMa	V434 Aur	HD 249695	HD 57682		
gam Cas	nu Gem	HD 91120	V696 Mon	V763 Mon	HD 43264		
CX Dra	V1165 Tau	15 Mon	HD 61224	HD 43913	HD 51506		
PLEIONE	FY CMa	z Her	AX Mon	HD 47054	V725 Mon		
phi Per	PHECDA	10 Cas	HD 71072	BN Gem	HD 47160		
14 Lac	19 Mon	25 Cyg	12 Aur	V695 Mon	HD 39478		
ALFIRK	kap Dra	HD 18552	Menkhib	HD 43285	HD 49787		
HD 21455	HD 79066	tet Ari	43 Ori	QY Gem	HD 34257		
zet Tau	I Hya	FR CMa	HD 44996	V749 Mon	V963 Ori		
HD 171780	17 Sex	25 Ori	V413 Aur	OY Hya	BD+58 610		
eps Cas	HD 70340	48 Per	HD 29866	V1163 Tau	BD+58 492		
BK Cam	phi Leo	lam Eri	120 Tau	V743 Mon	BD+35 1169		
ELECTRA	HD 44783	HD 9612	HD 21362	HD 89884	EM* AS 53		
V742 Cas	BT CMi	HD 20134	HD 237118	QQ Gem	EM* AS 4		
HD 17505	HD 64109	11 Cam	HD 42477	HD 237091	HD 250289		
CT Cam	HD 45995	eta Ori	HD 32188	HD 112028	EM* MWC 433		
69 Ori	66 Oph	V1369 Ori	V731 Tau	HD 37971	NW Pup		
OT Gem	53 Boo	HD 21641	V447 Aur	alf Col	FW CMa		
5 Cnc	4 Her	HD 62367	HD 257473				

Emission increase since last observations

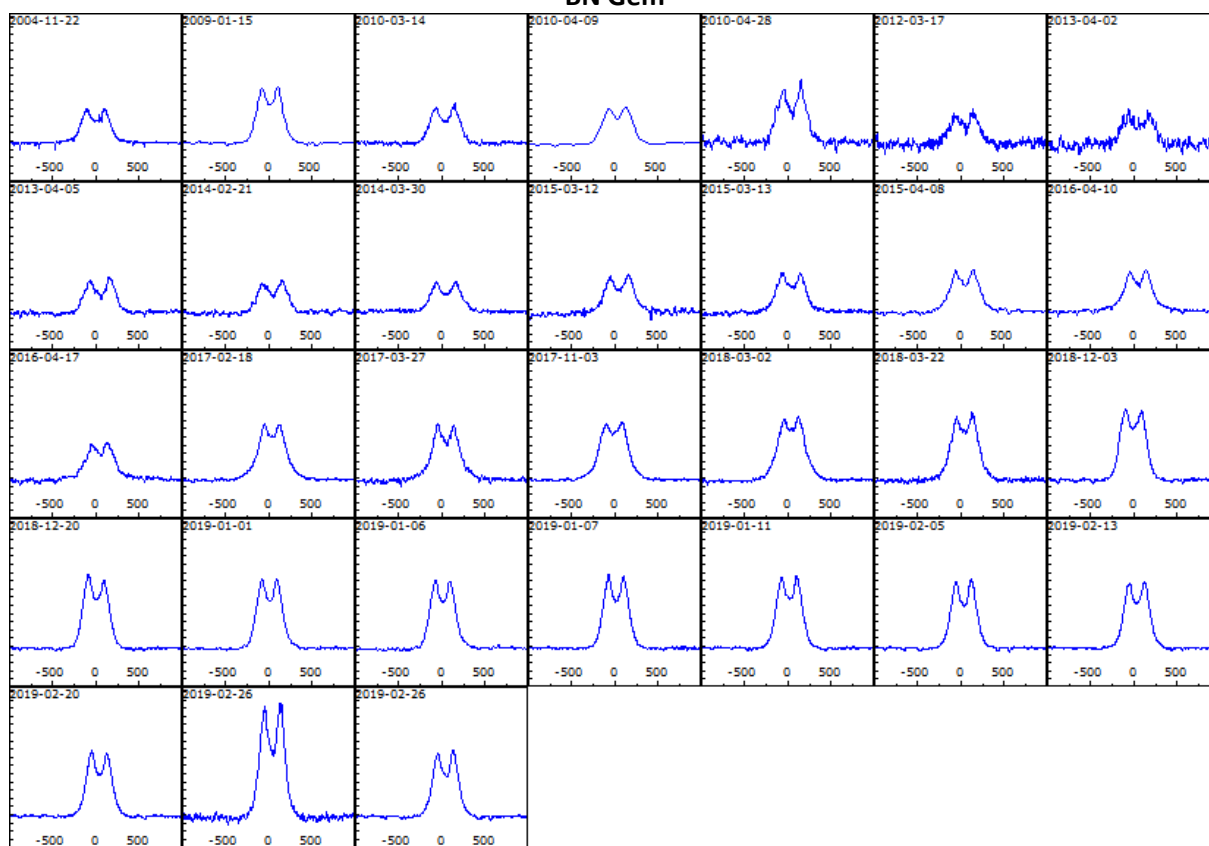
HD 29866



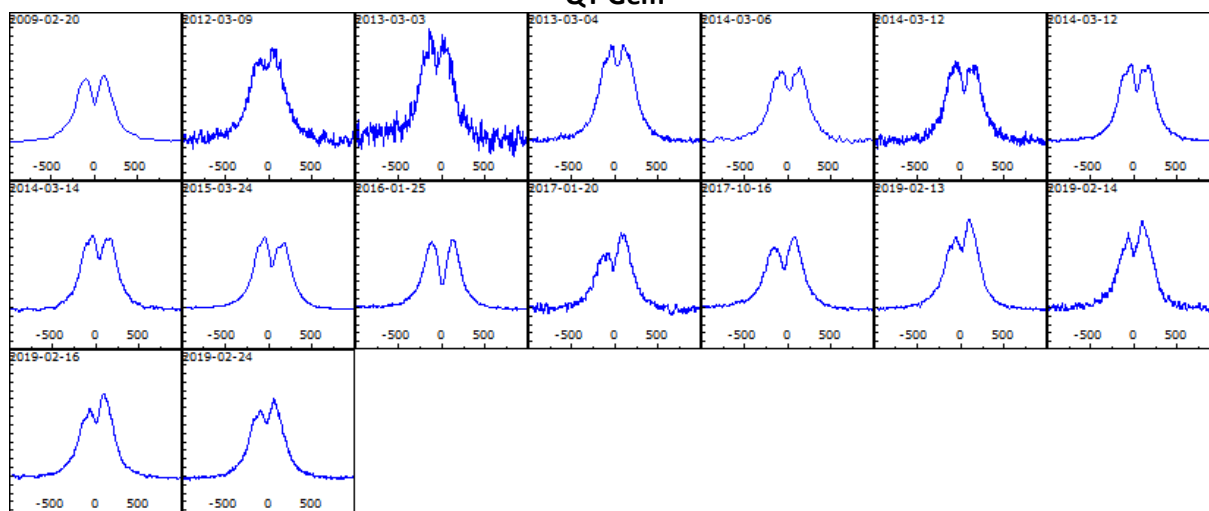
120 Tau



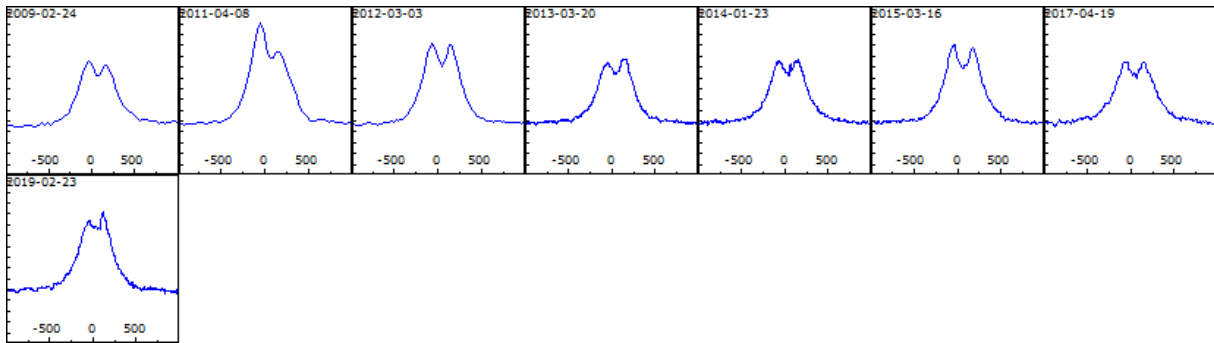
BN Gem



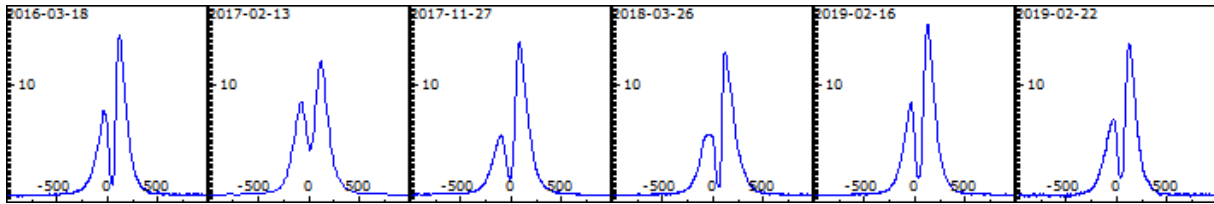
QY Gem



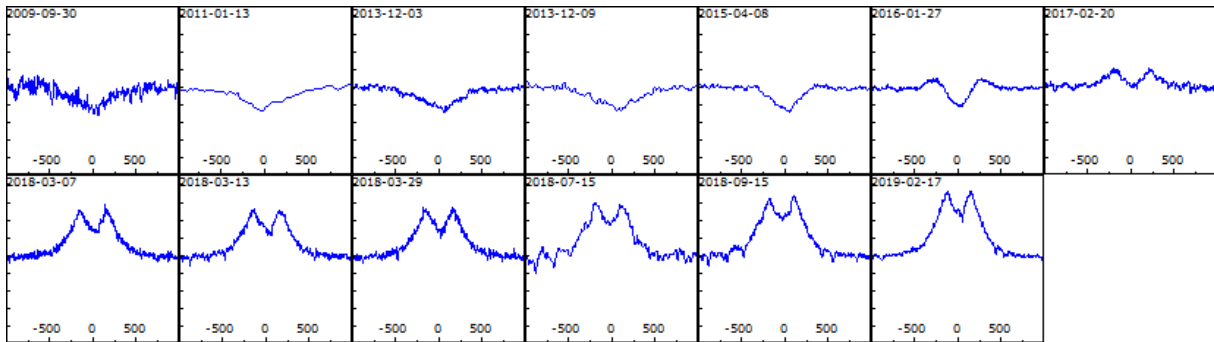
V1163 Tau



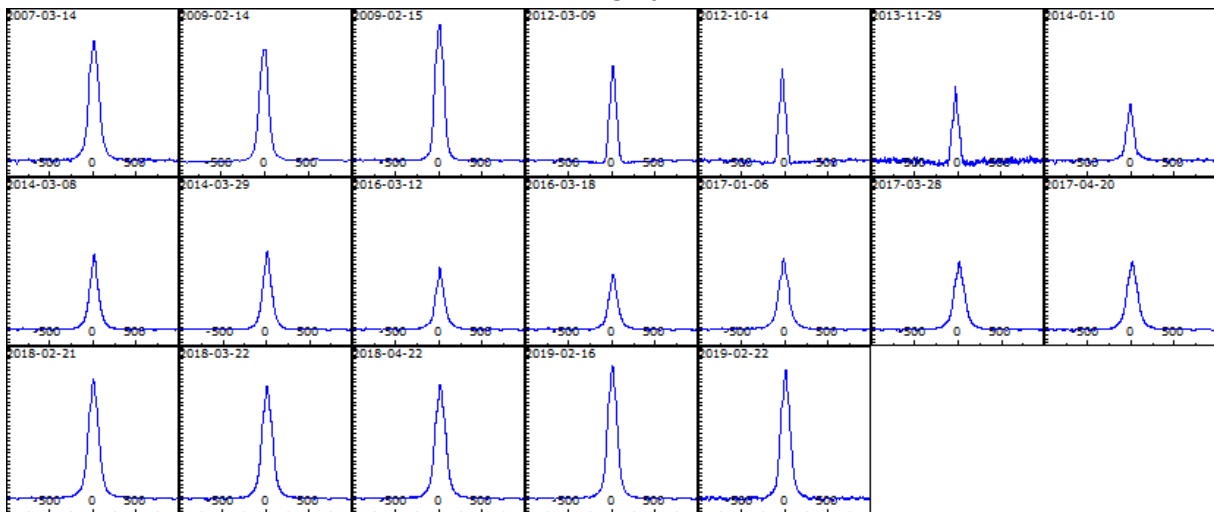
V743 Mon



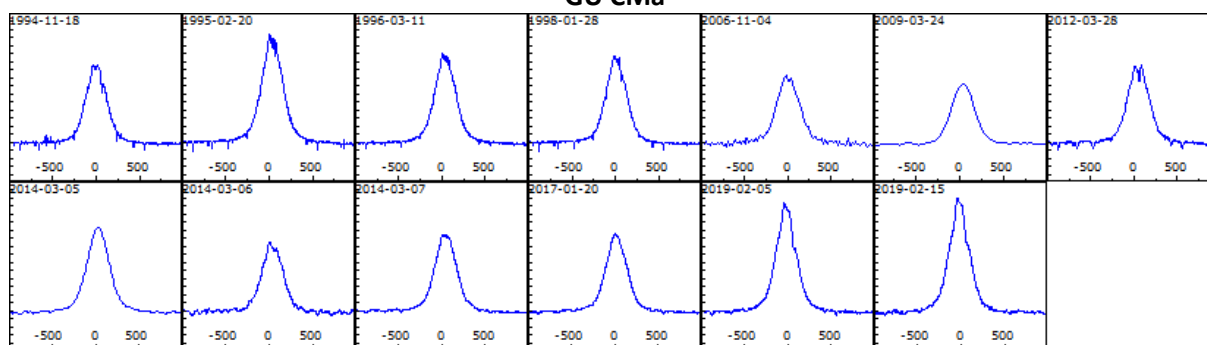
HD 237091



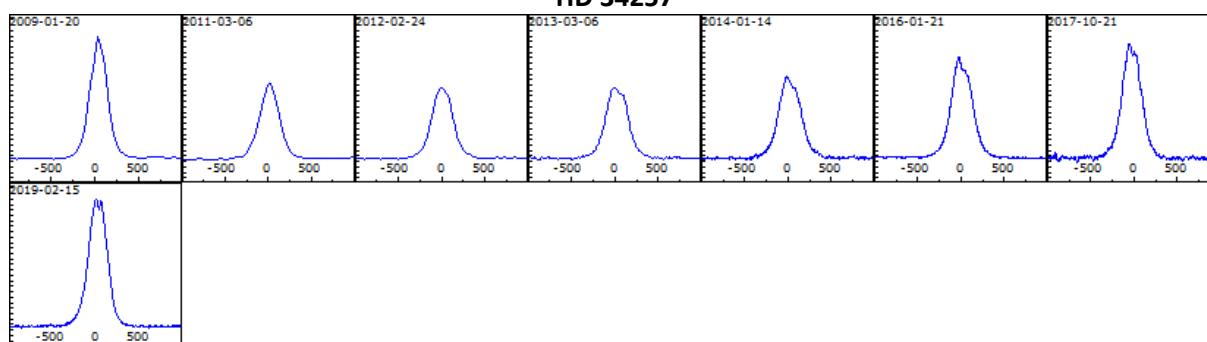
FW CMa



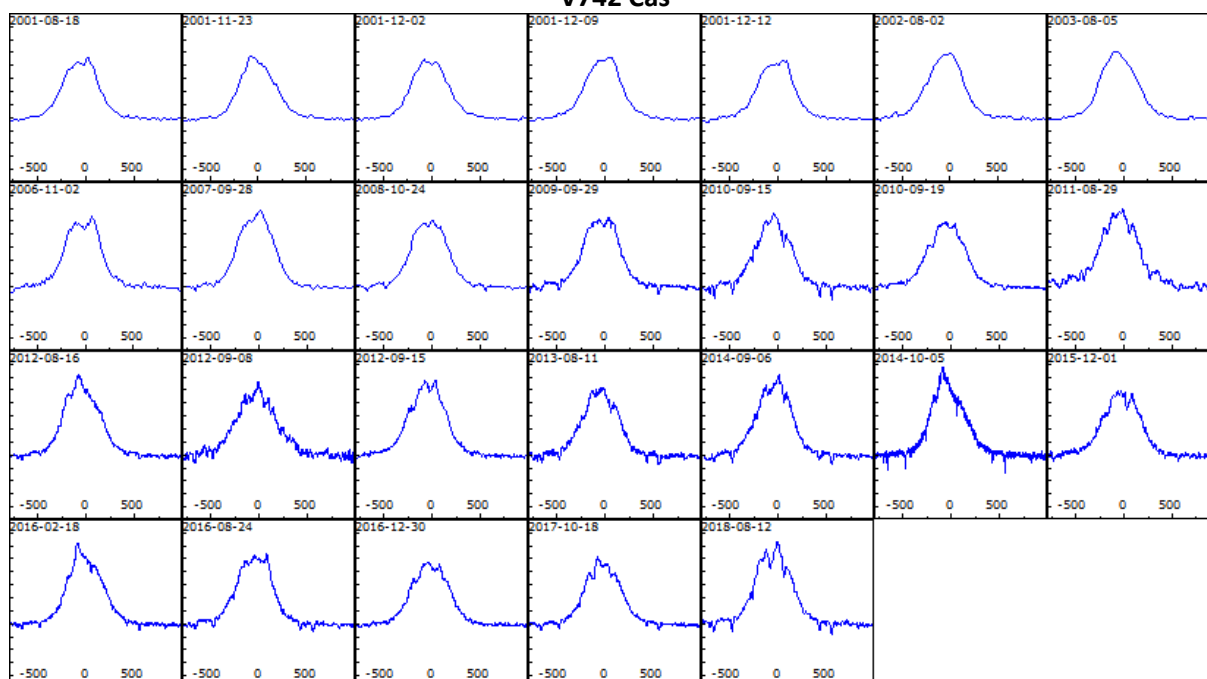
GU CMa



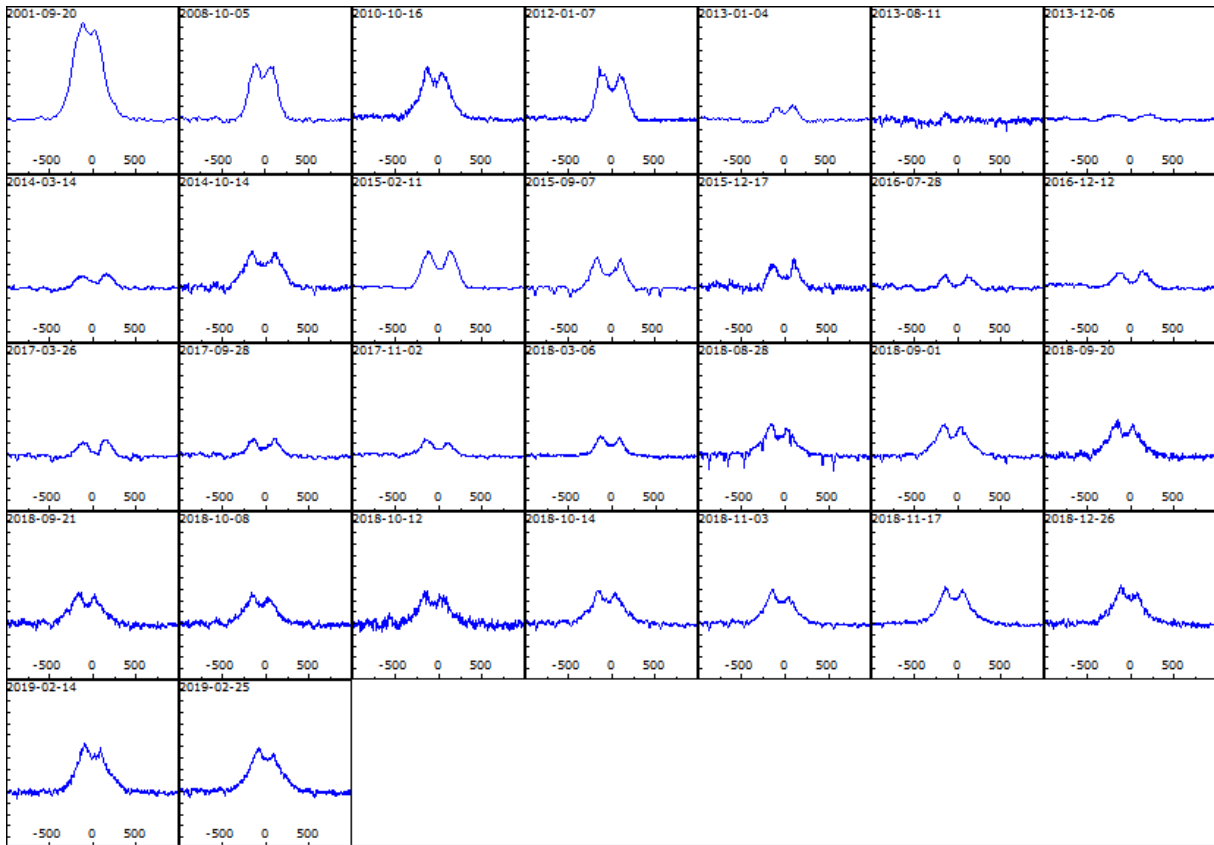
HD 34257



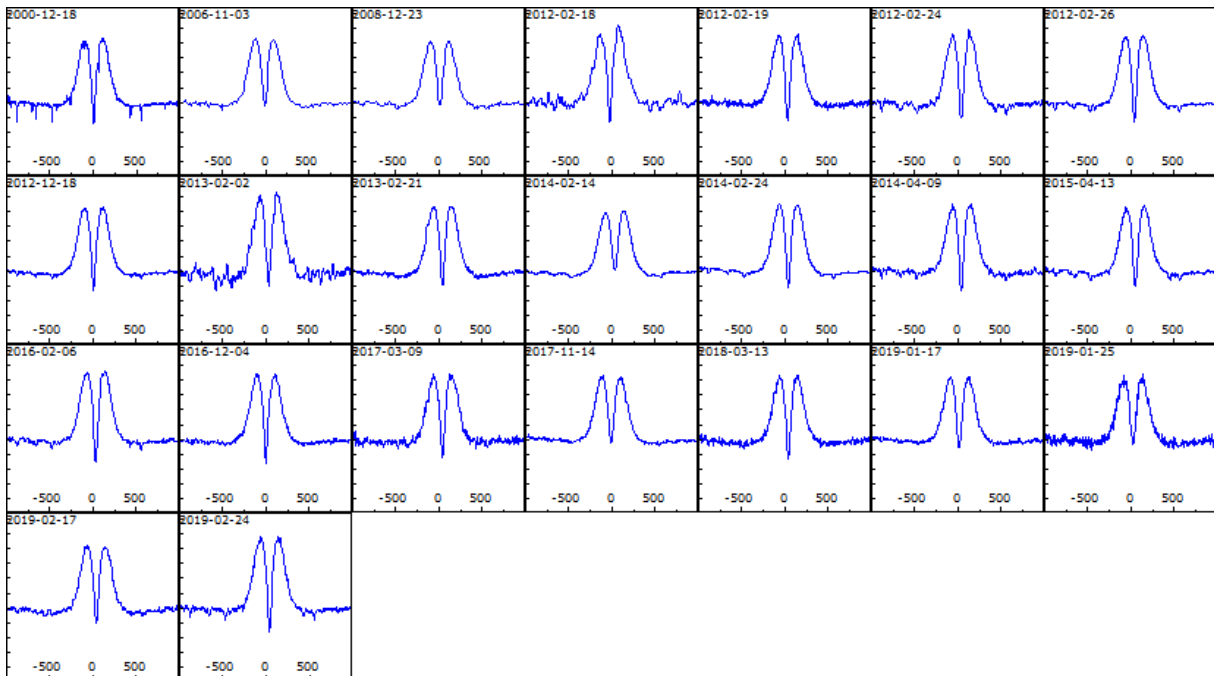
V742 Cas



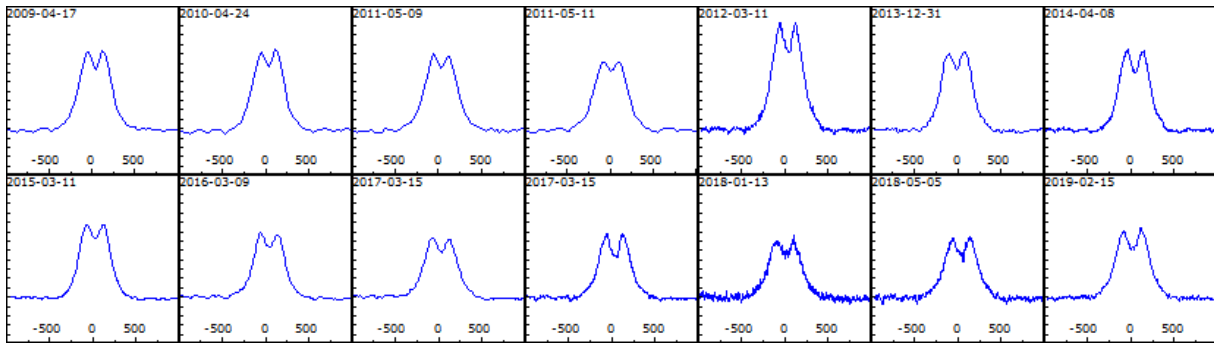
CT Cam



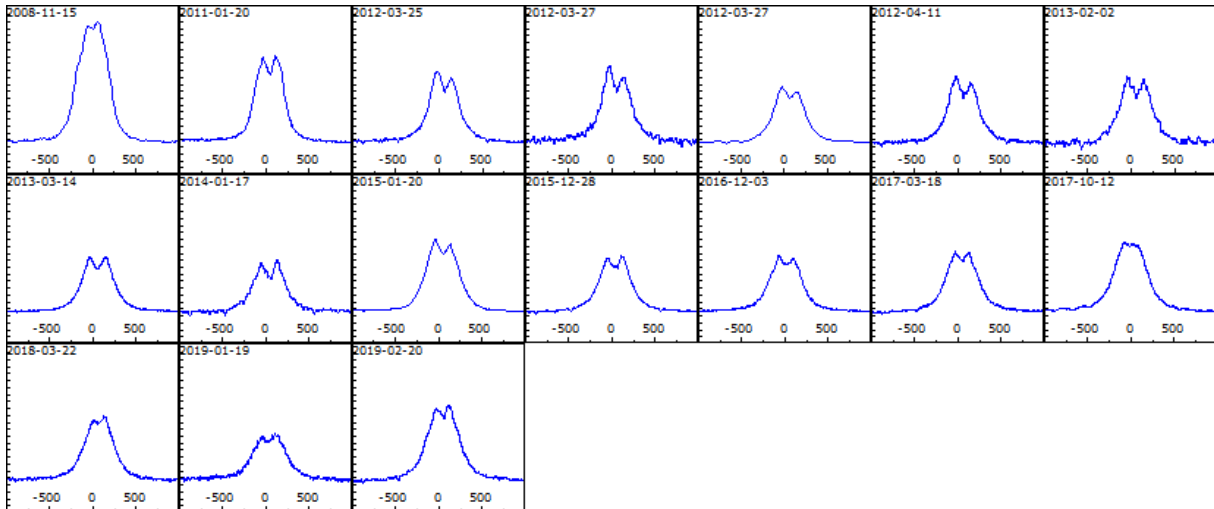
HD 44783



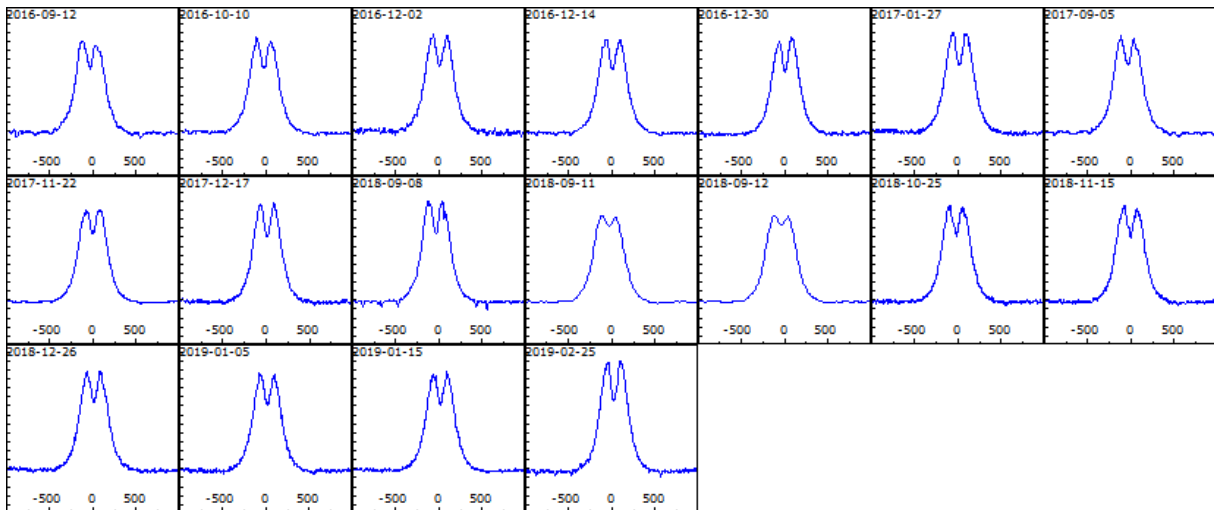
BT CMi



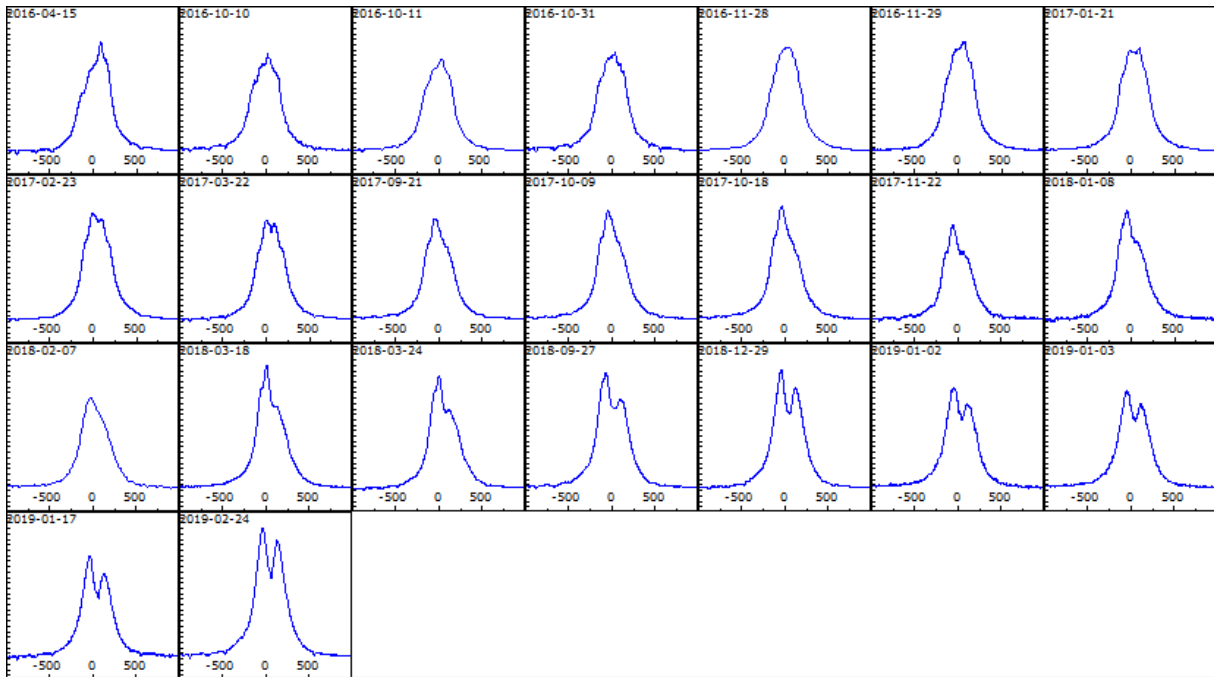
HD 45995



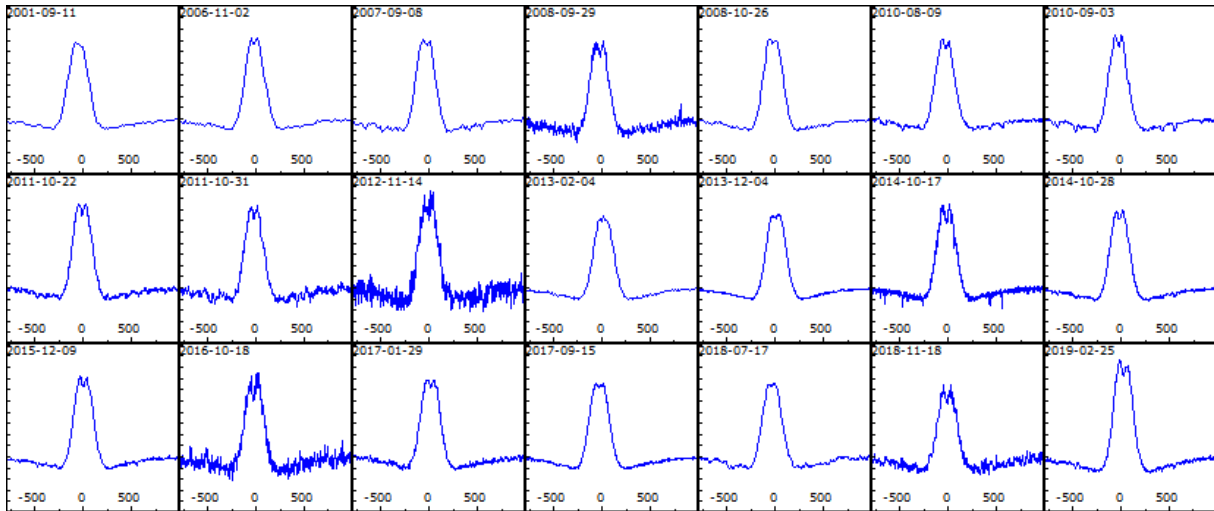
HD 18552



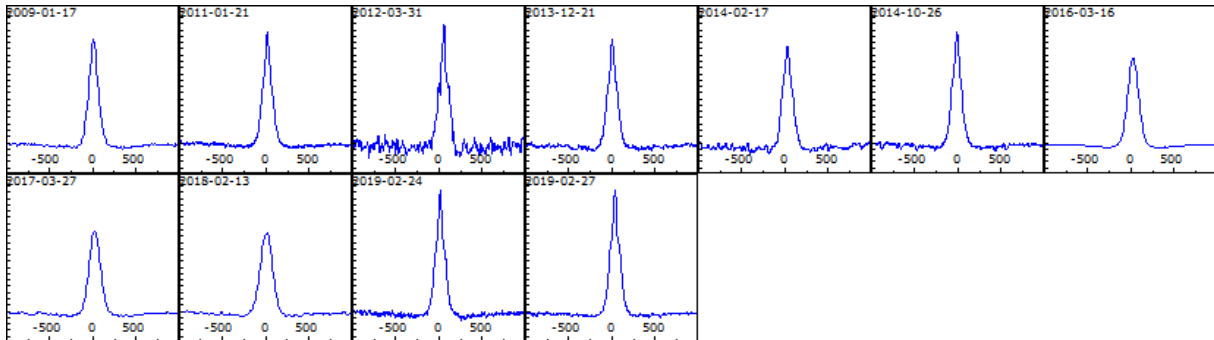
25 Ori



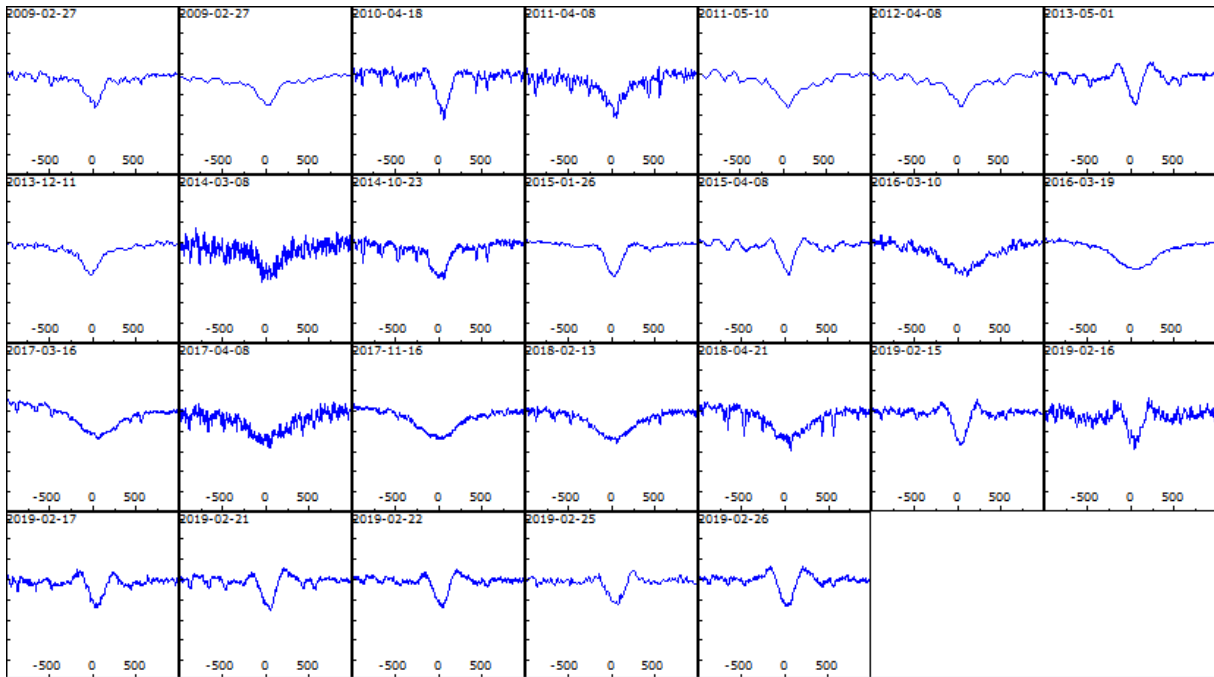
HD 21641



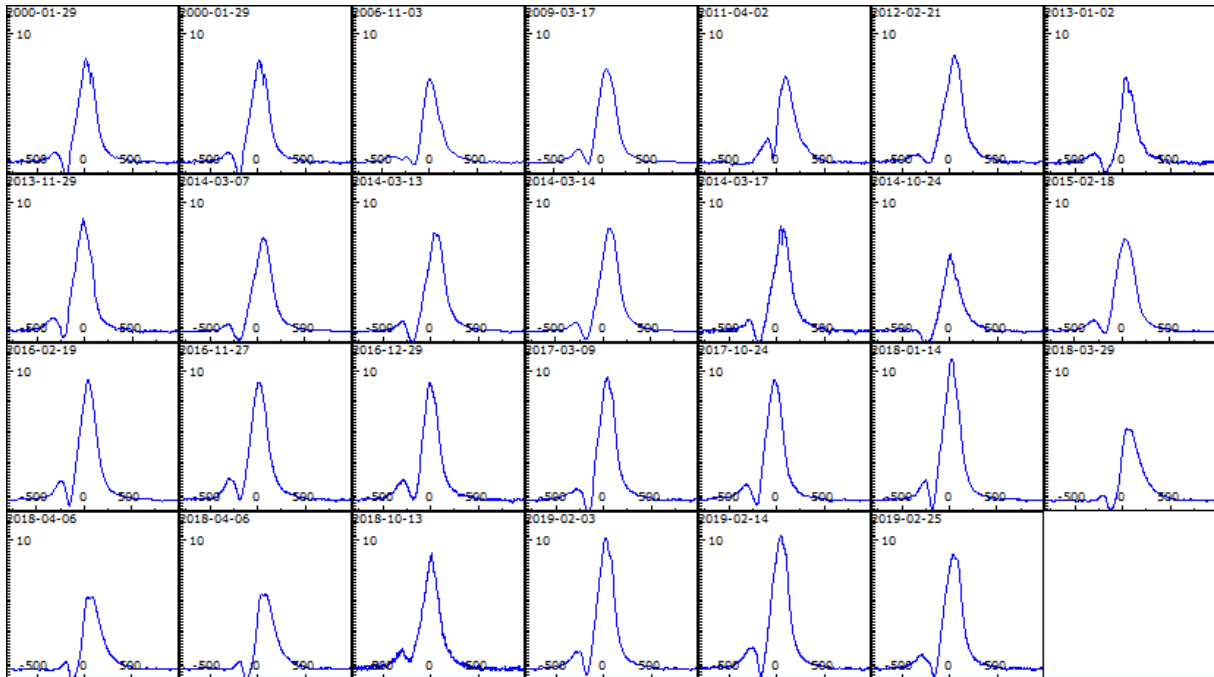
HD 62367



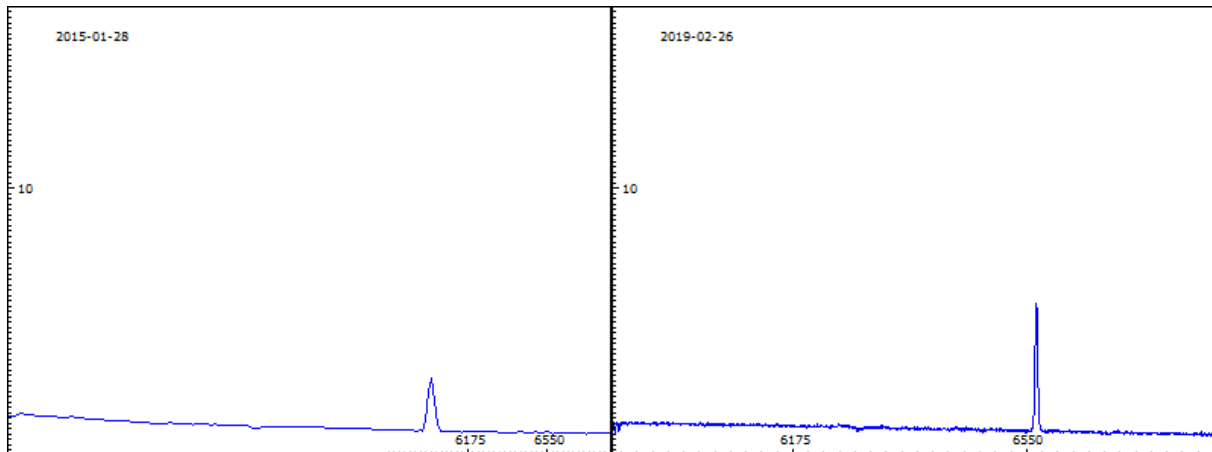
HD 71072



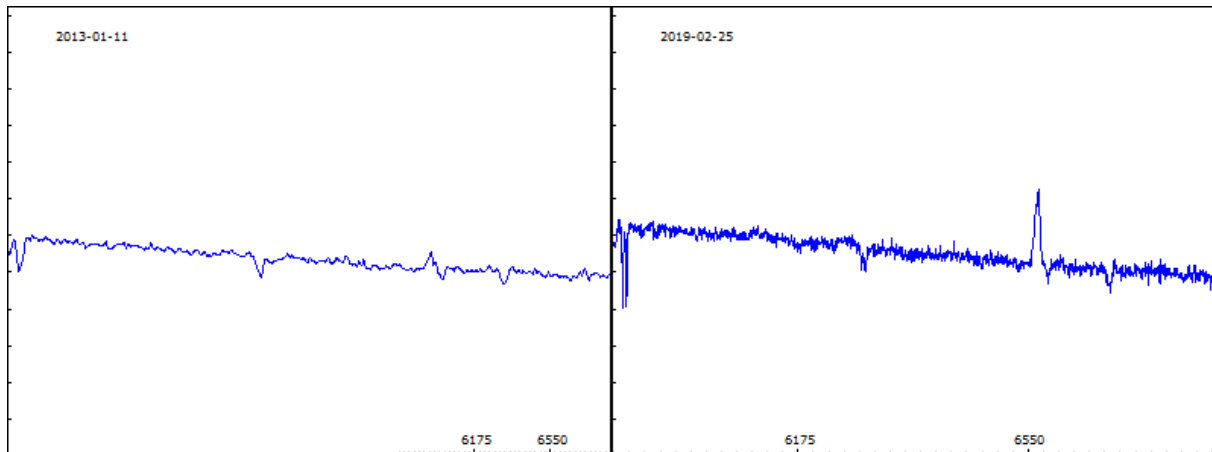
AX Mon



HD 257473

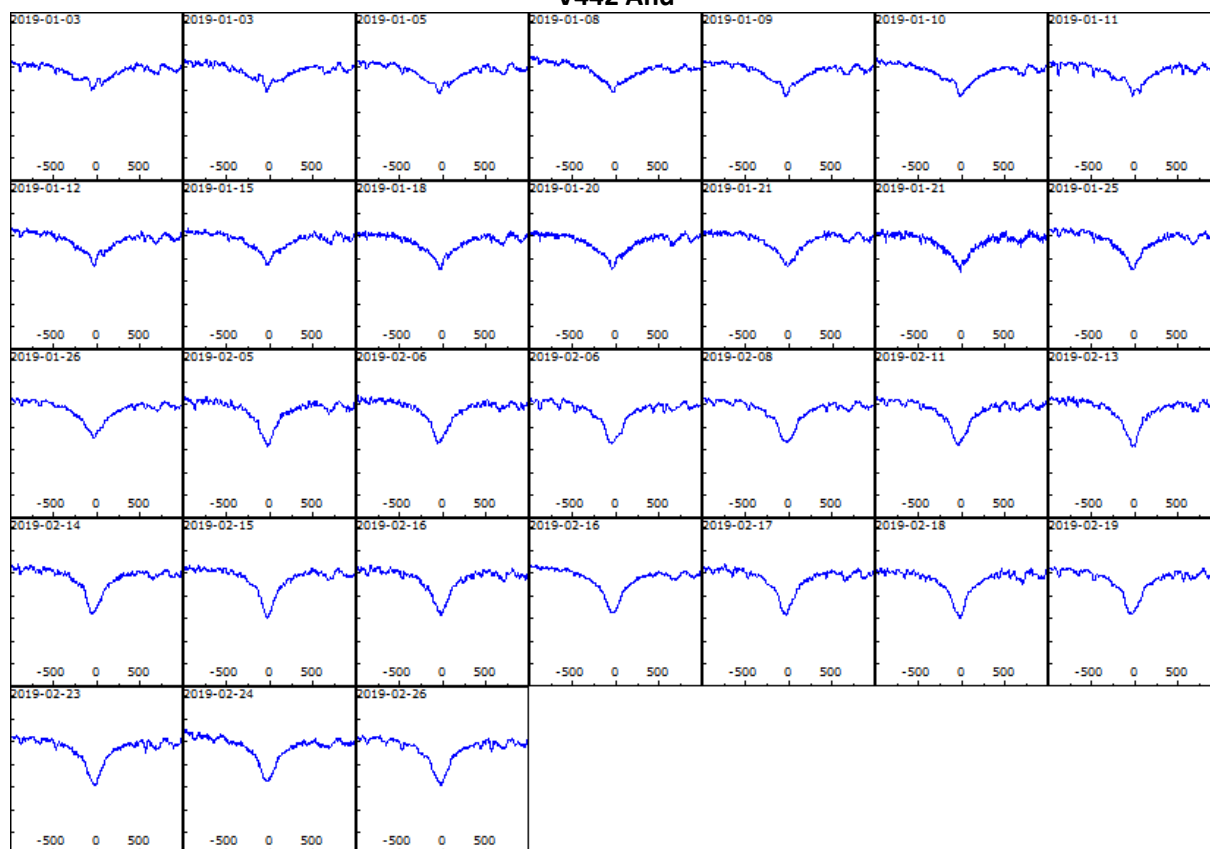


BD+35 1169

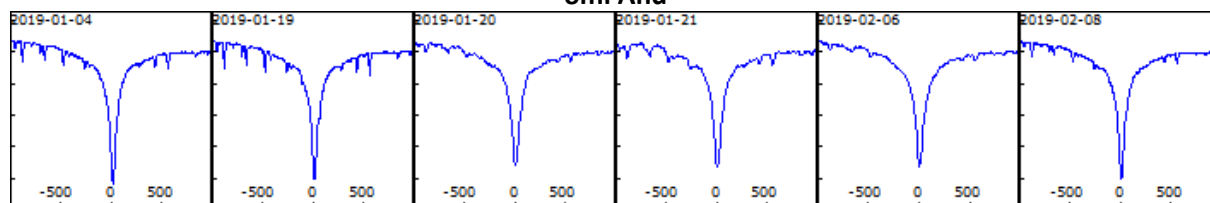


Moderate evolutions of H-alpha line

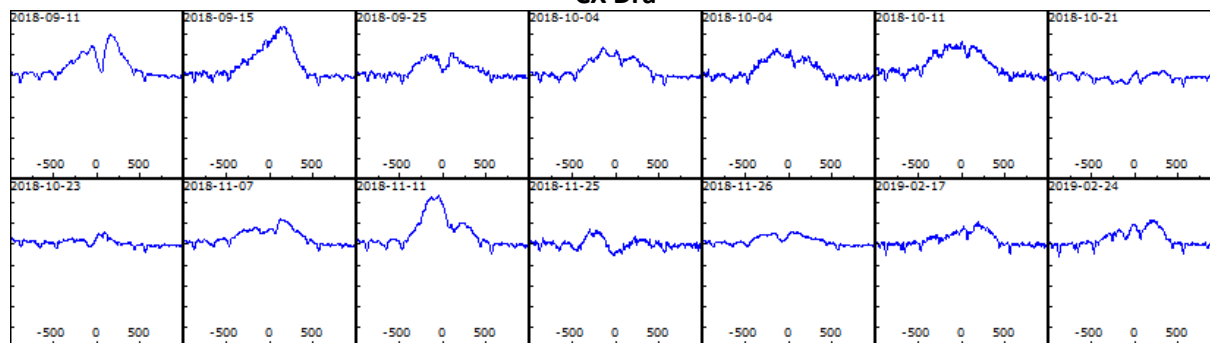
V442 And



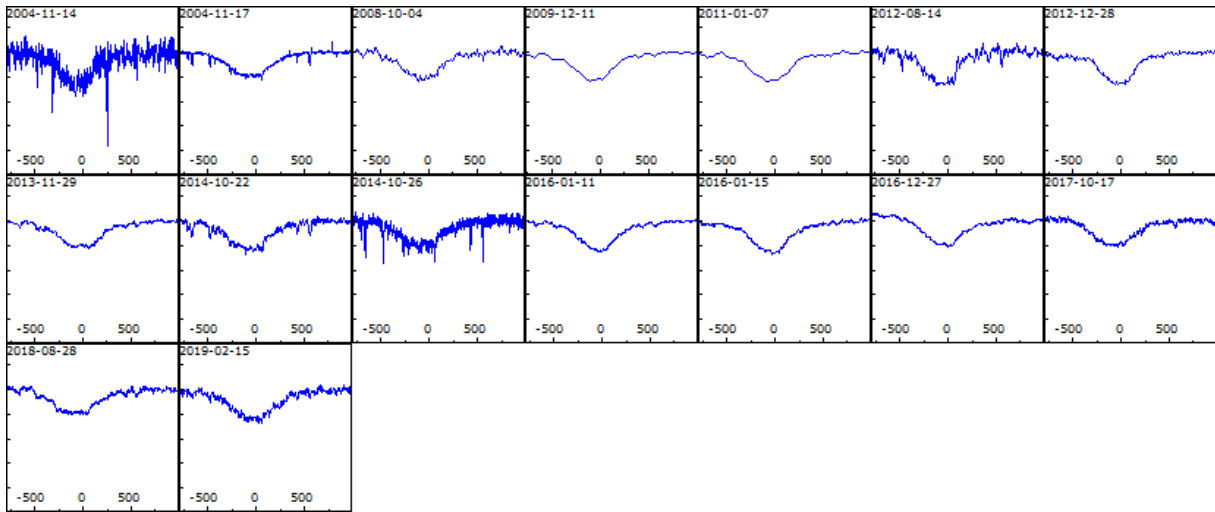
omi And



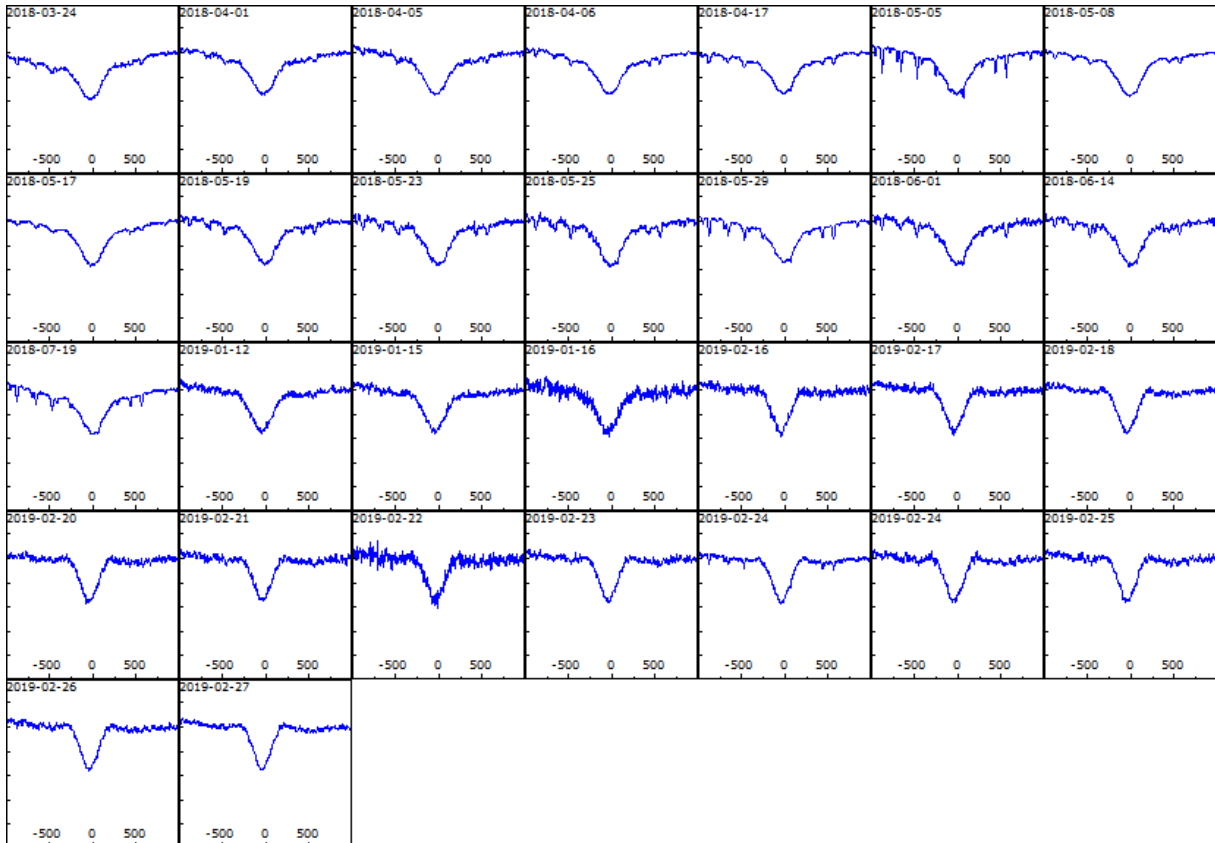
CX Dra



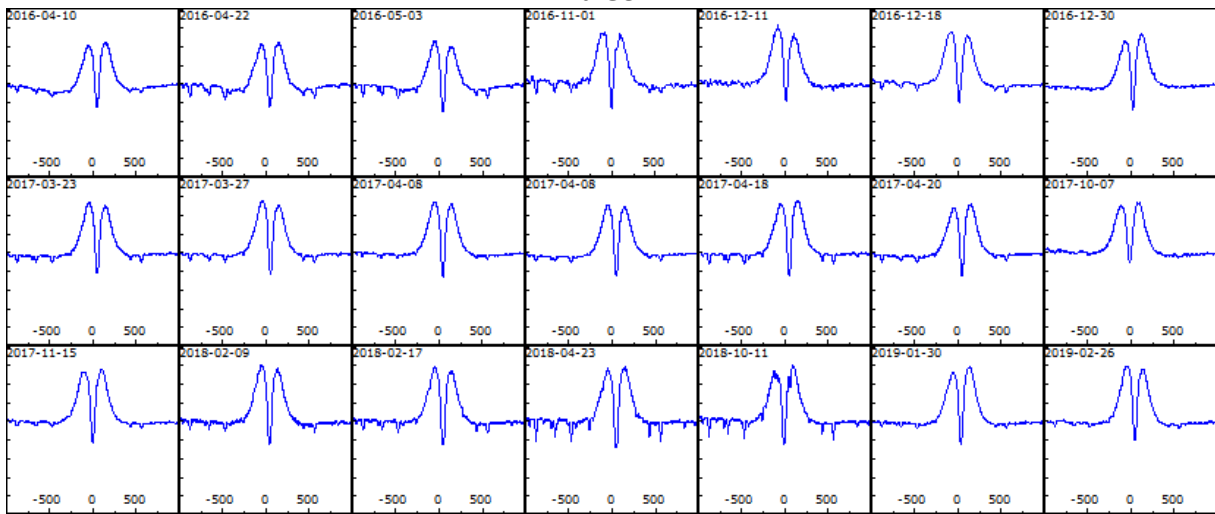
HD 17505



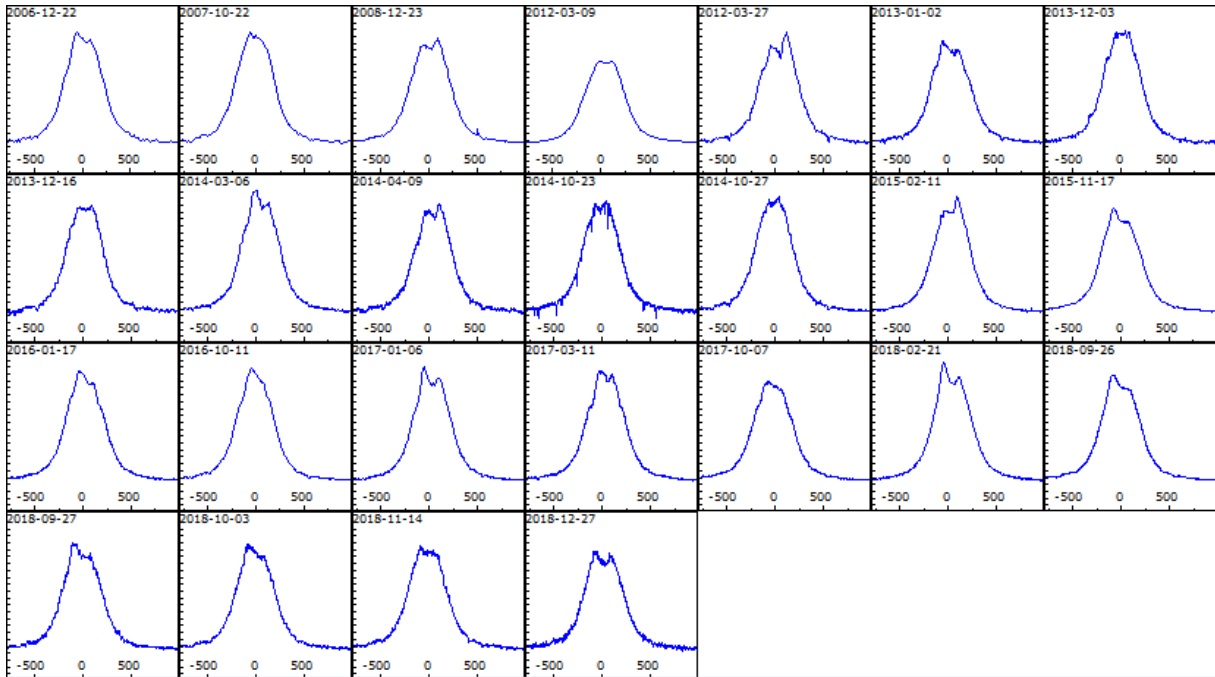
tet CrB



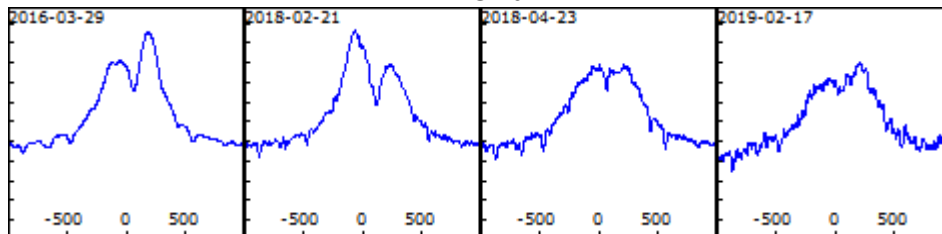
nu Gem



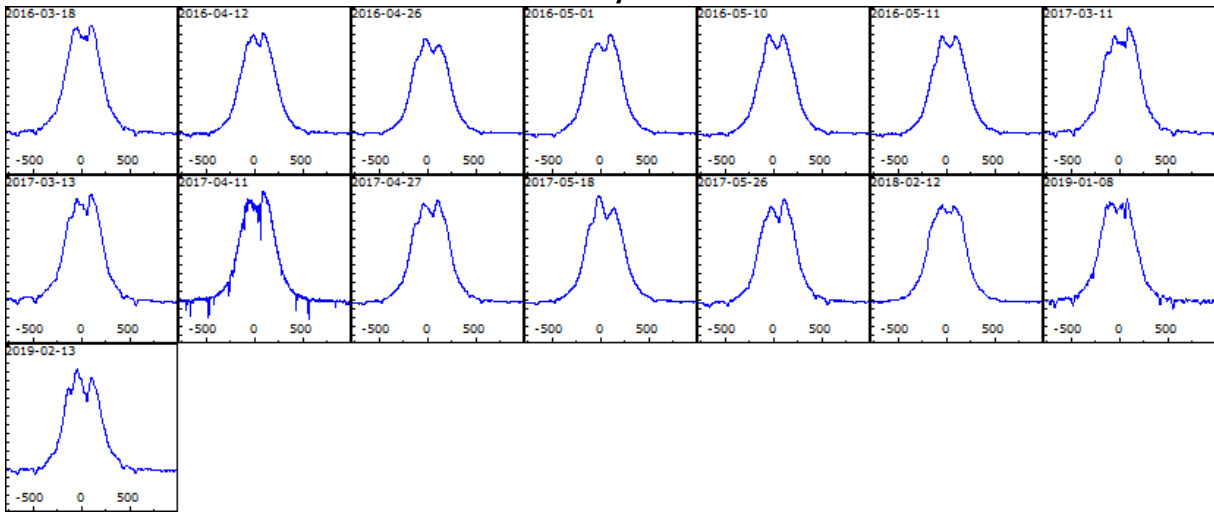
V1165 Tau



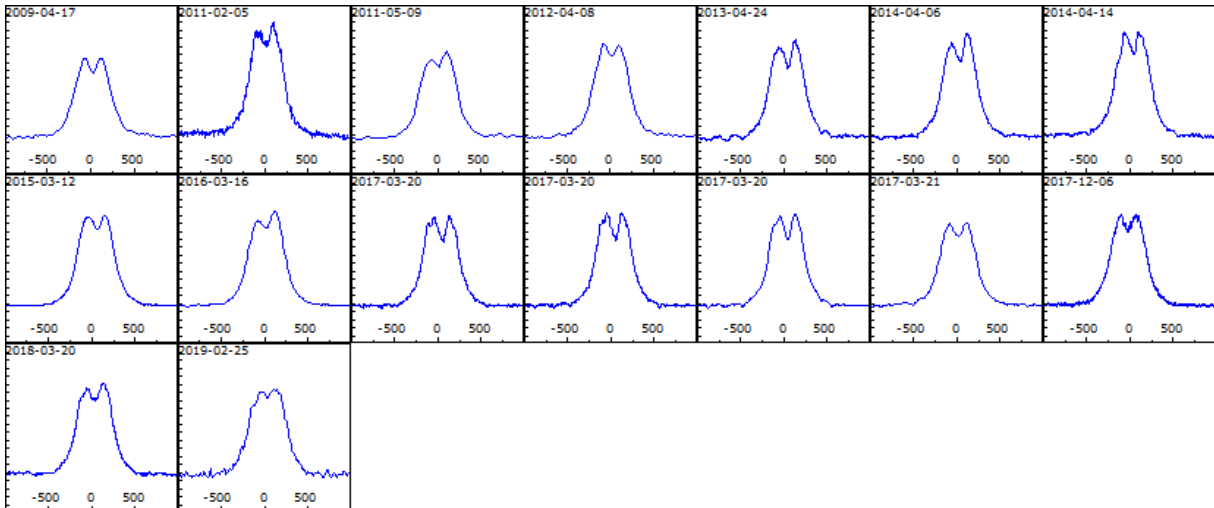
FY CMa



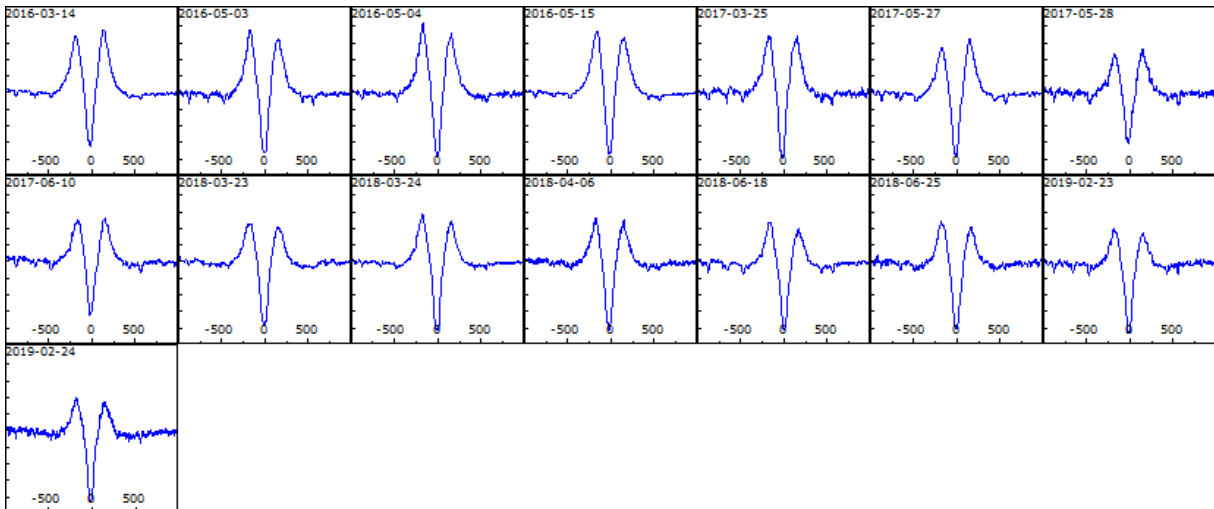
I Hya



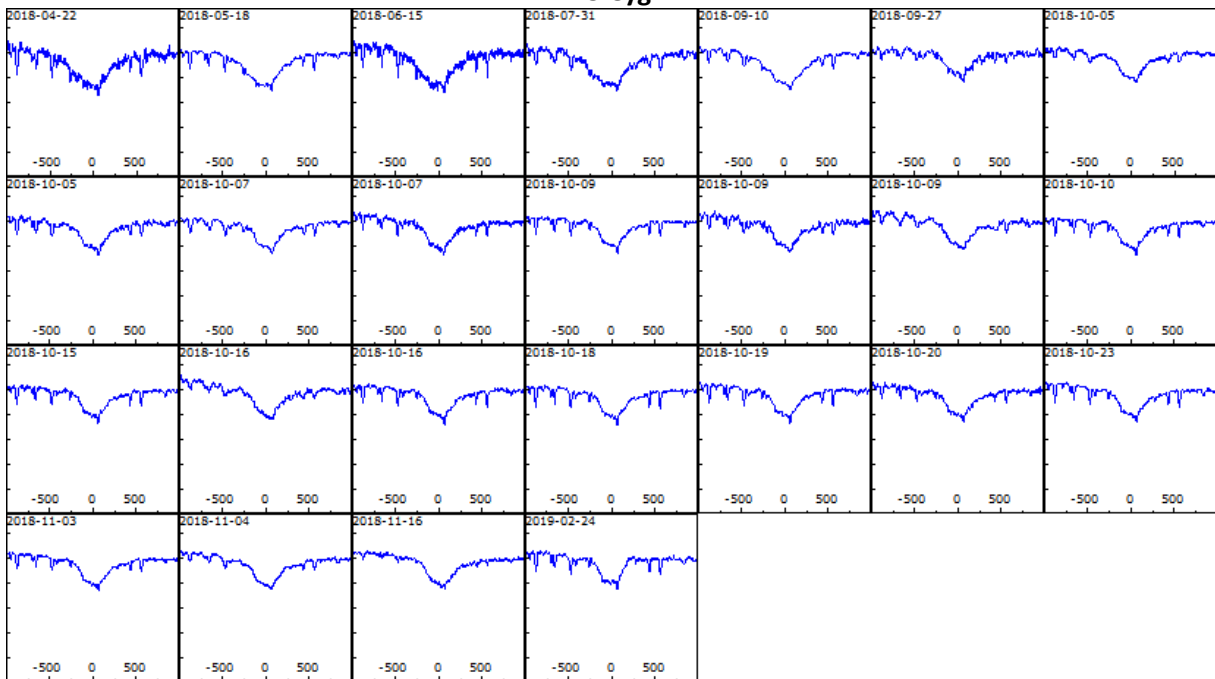
HD 64109



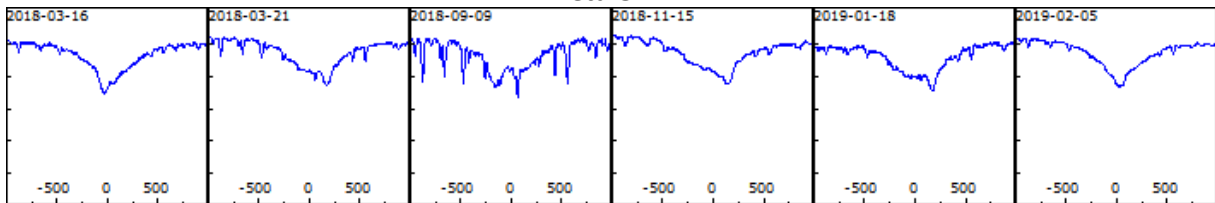
z Her



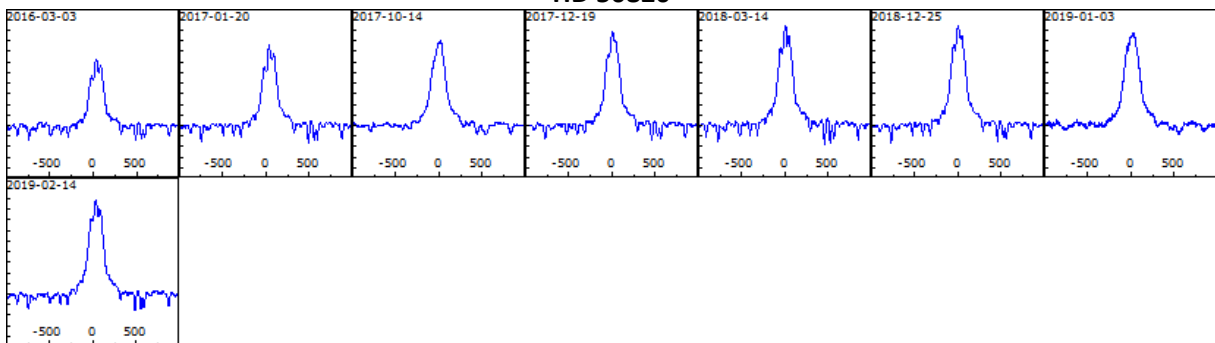
25 Cyg



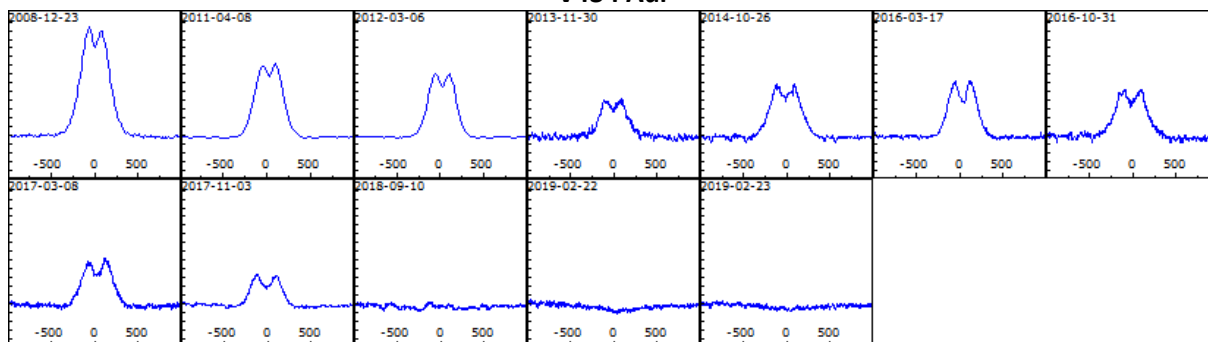
eta Ori



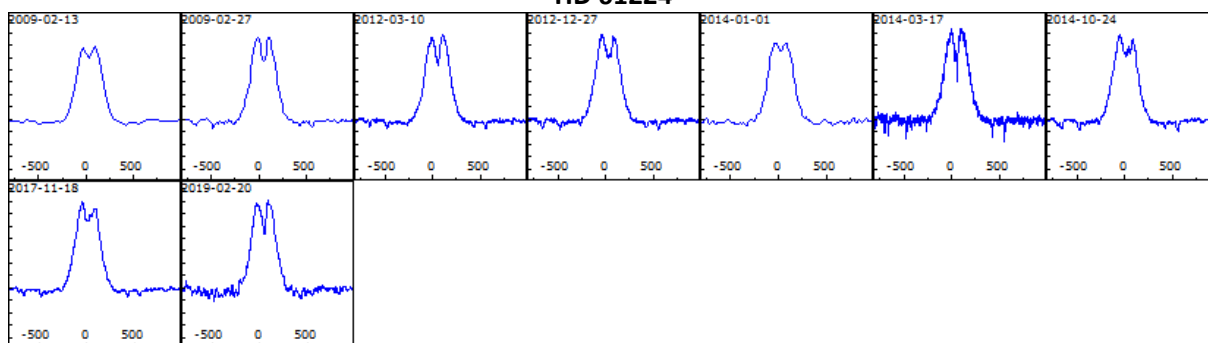
HD 50820



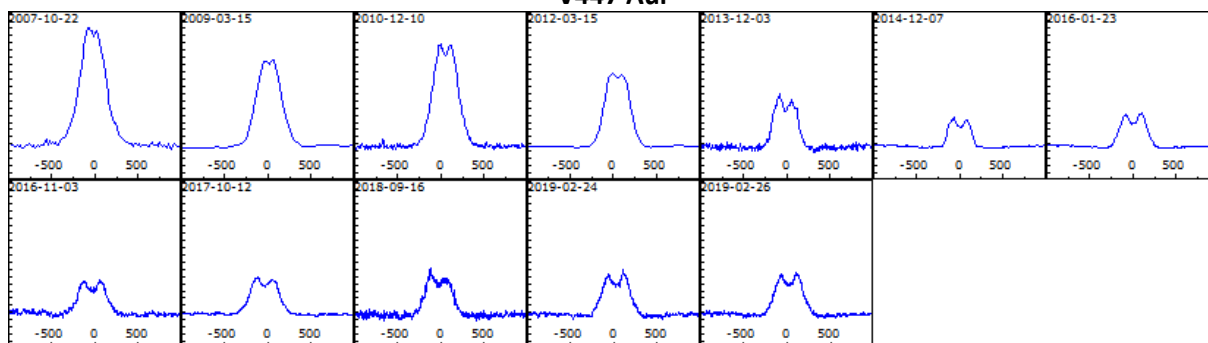
V434 Aur



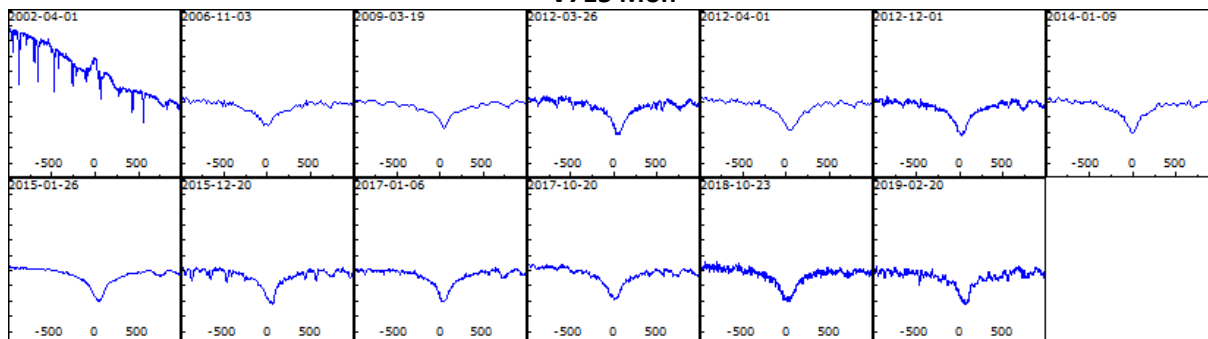
HD 61224



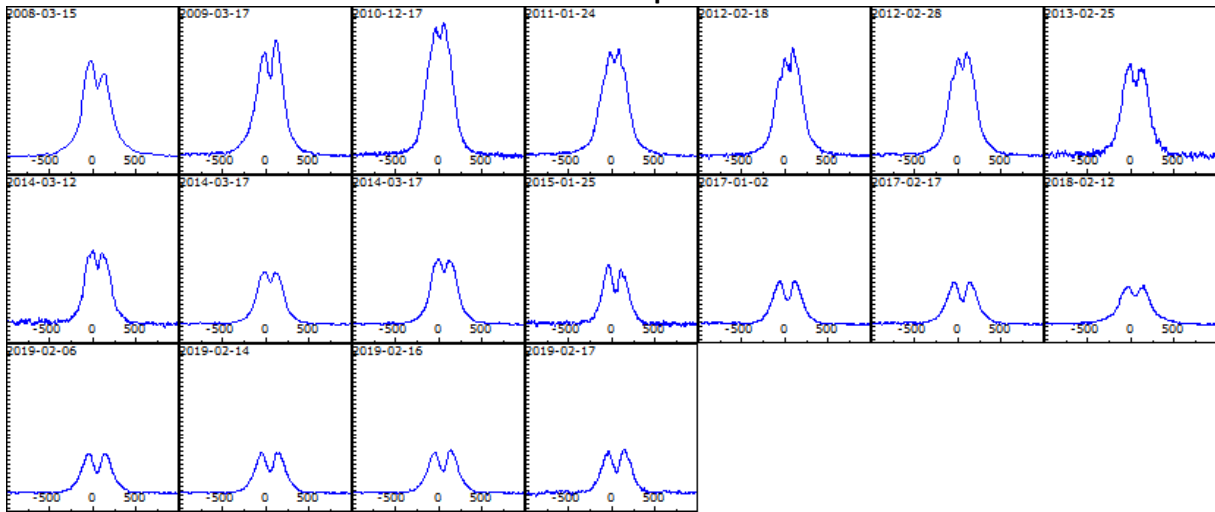
V447 Aur



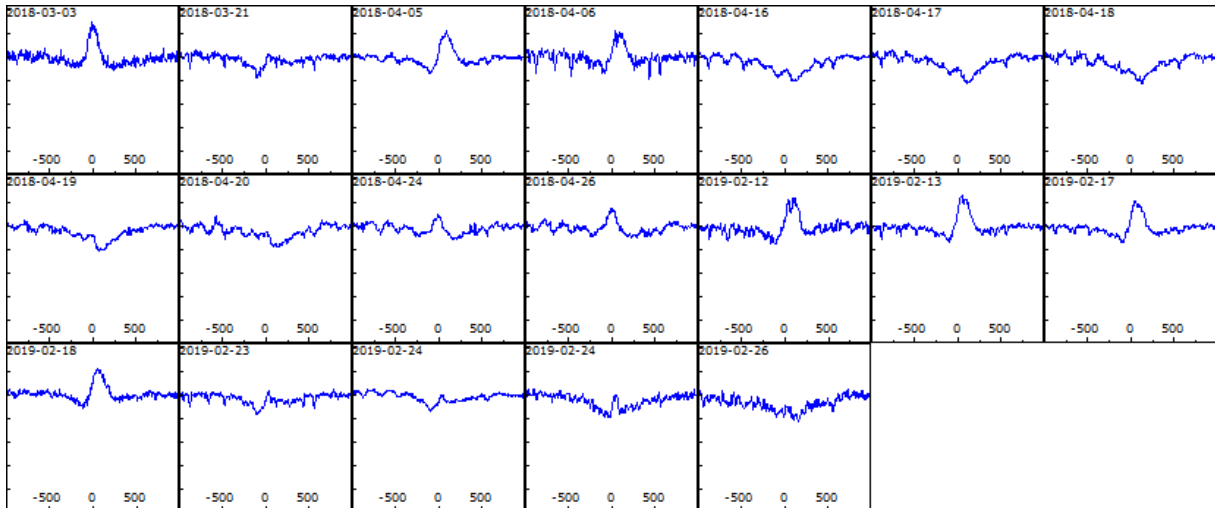
V715 Mon



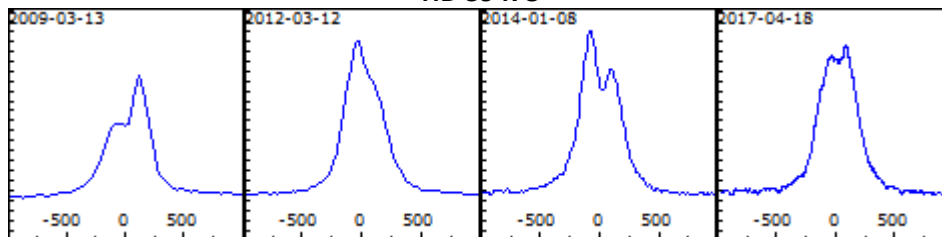
V378 Pup



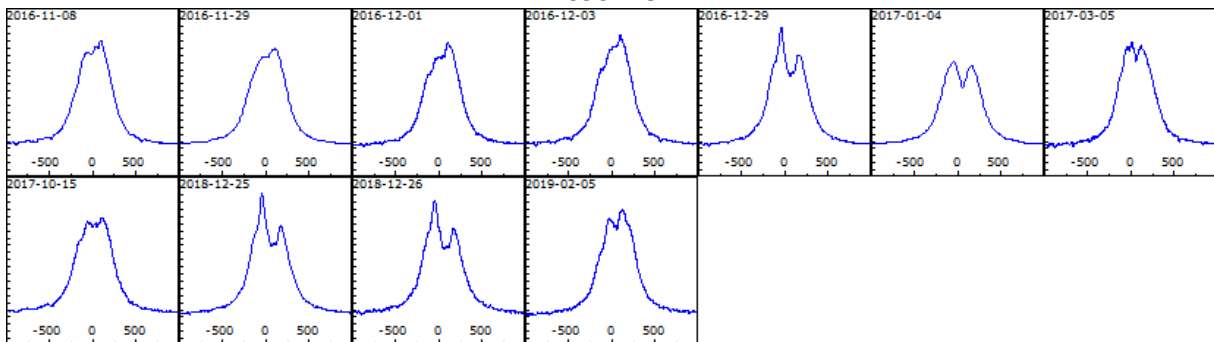
HD 57682



HD 39478

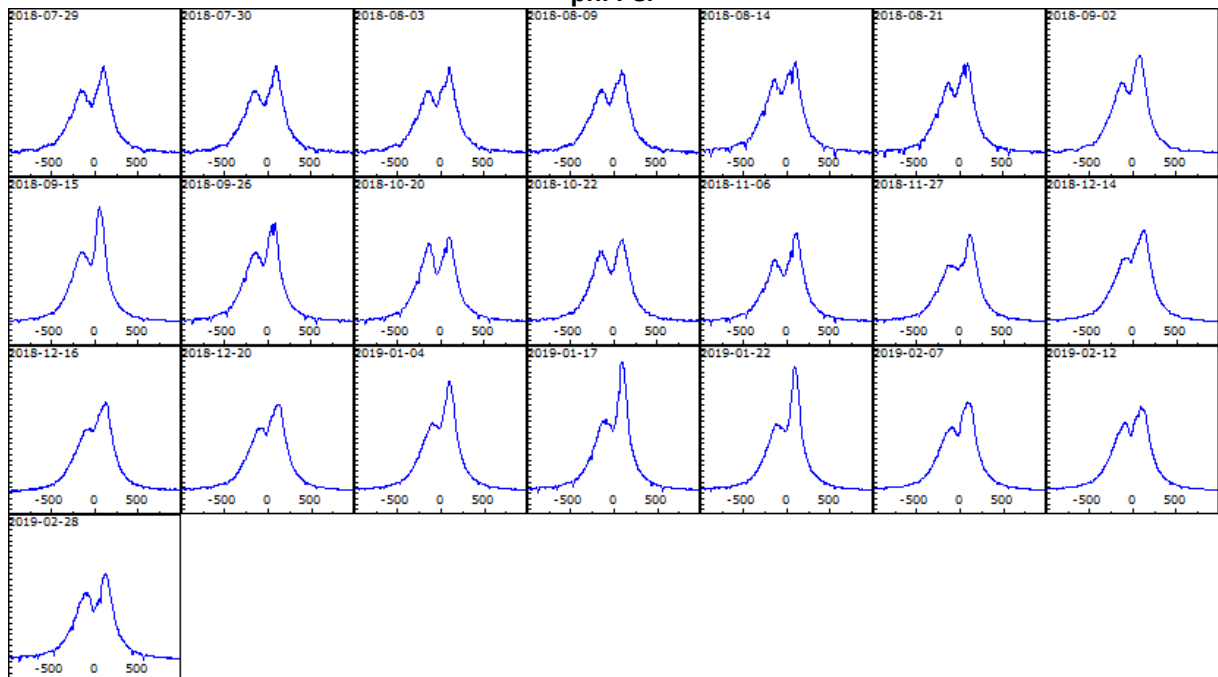


V696 Mon

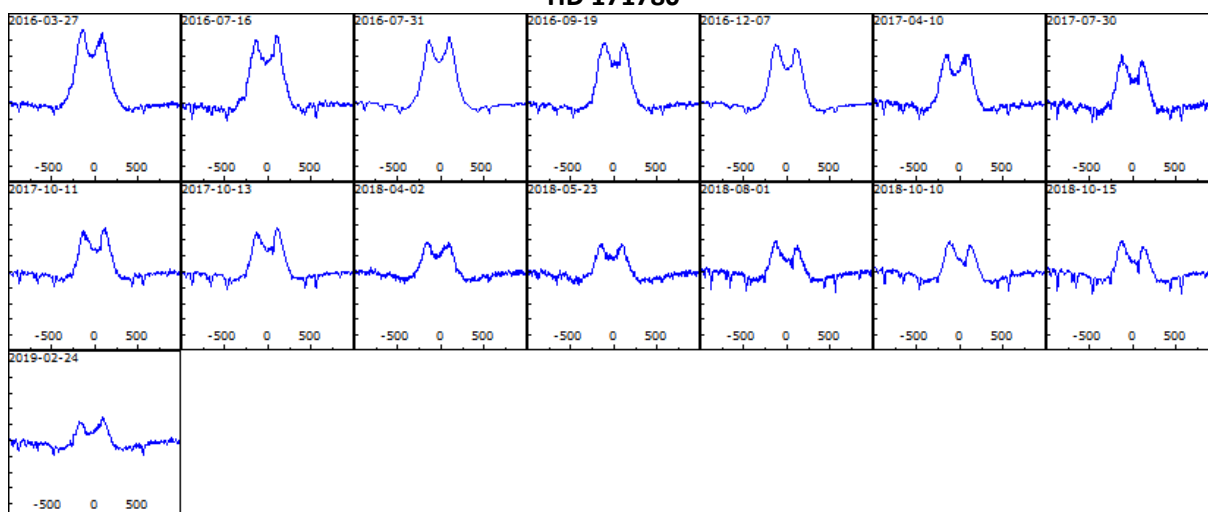


Emission decrease of H-alpha line

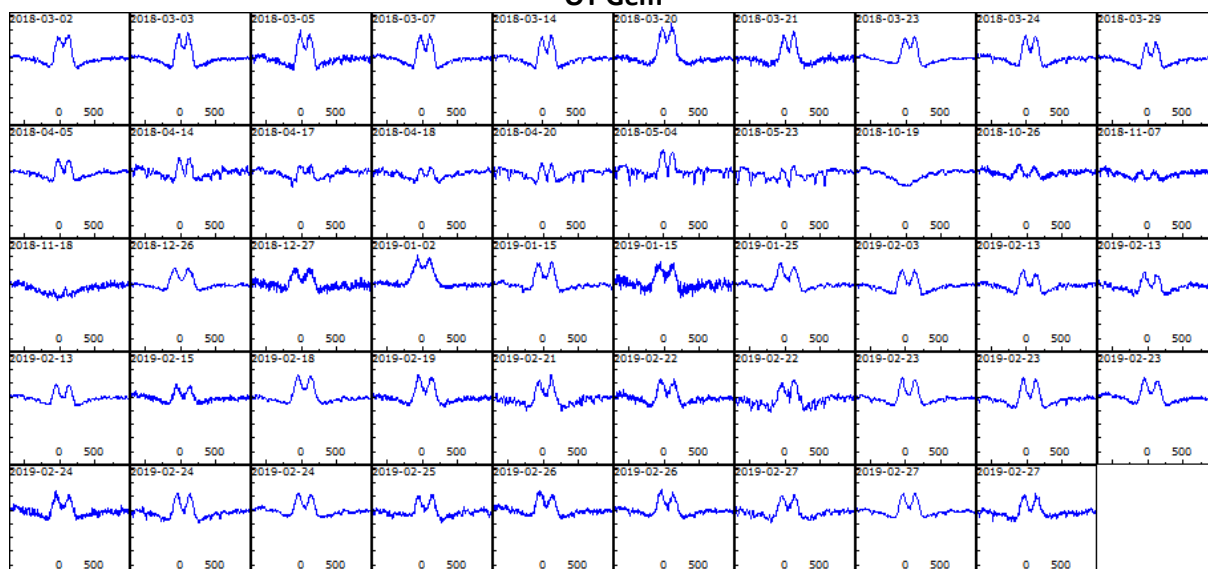
phi Per



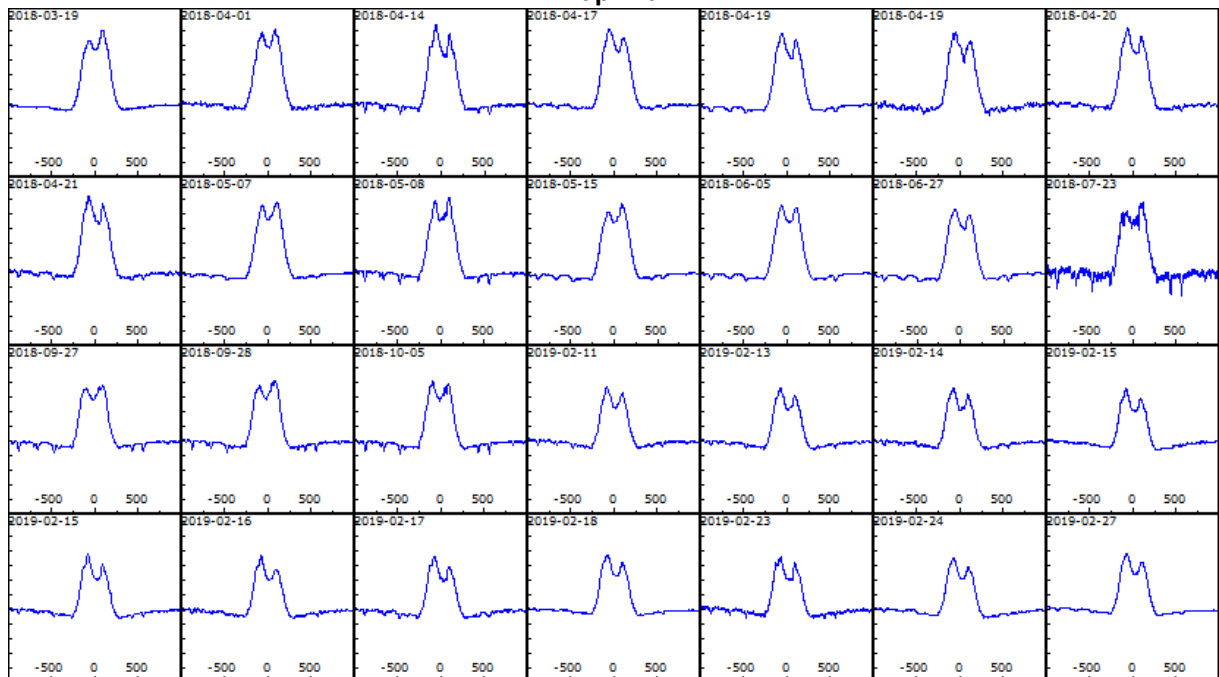
HD 171780



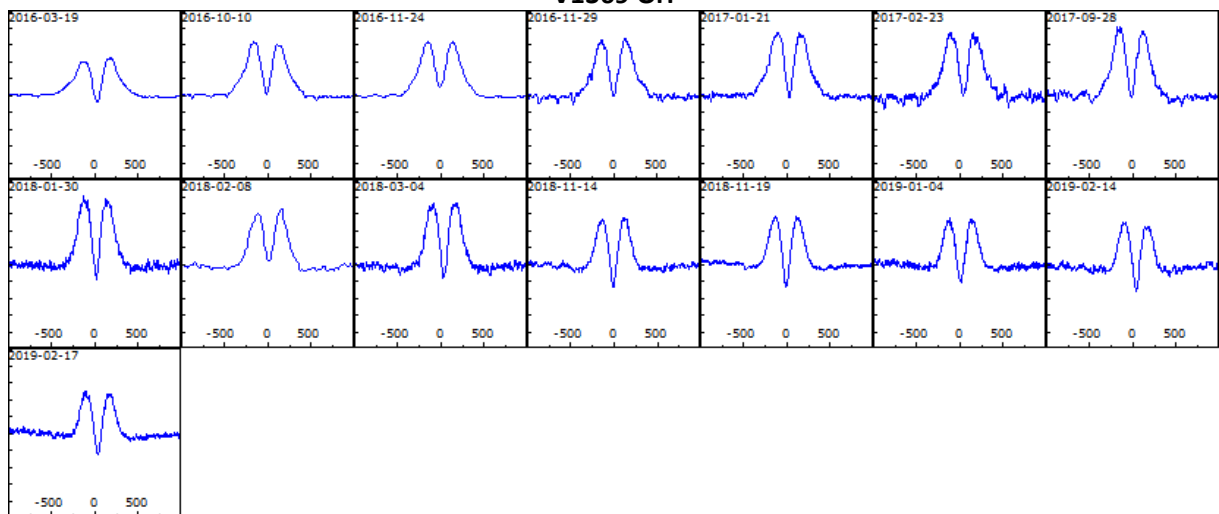
OT Gem



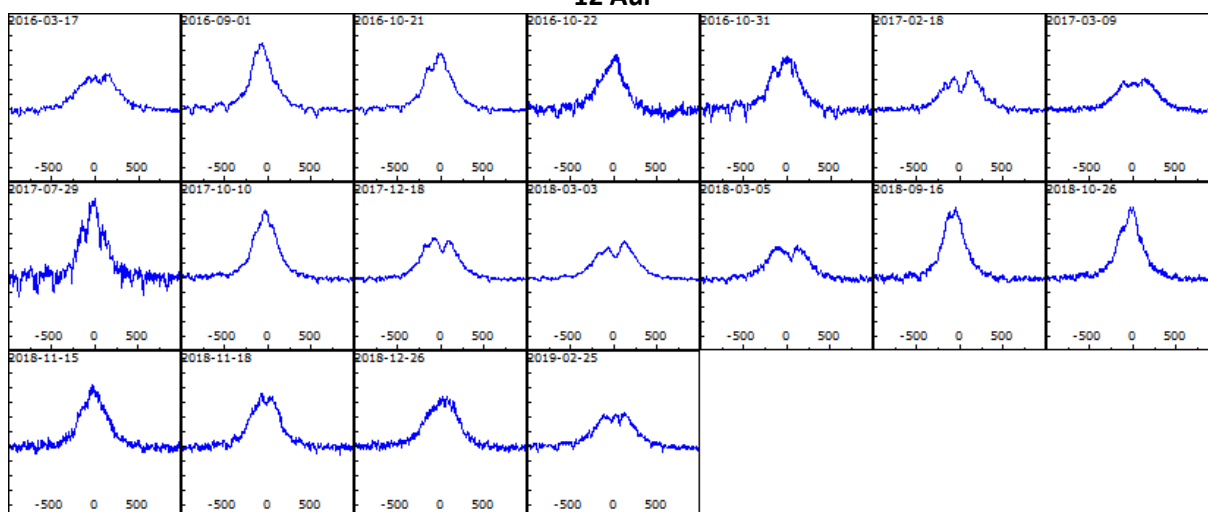
kap Dra



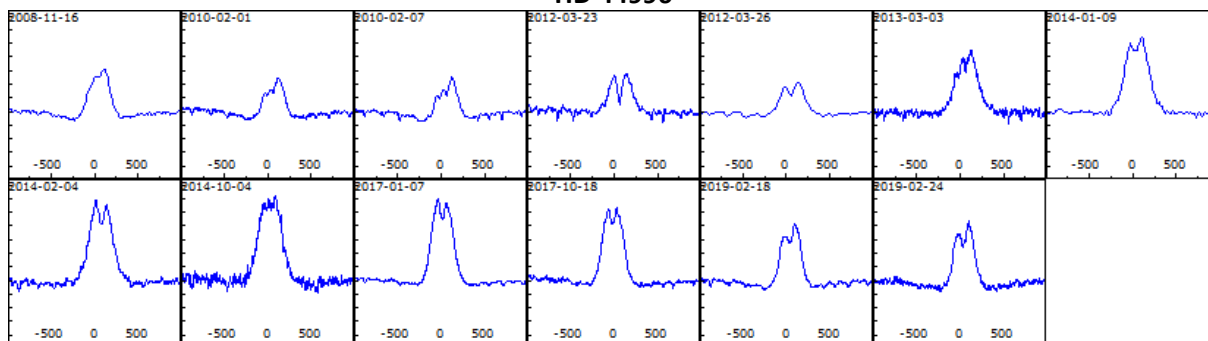
V1369 Ori



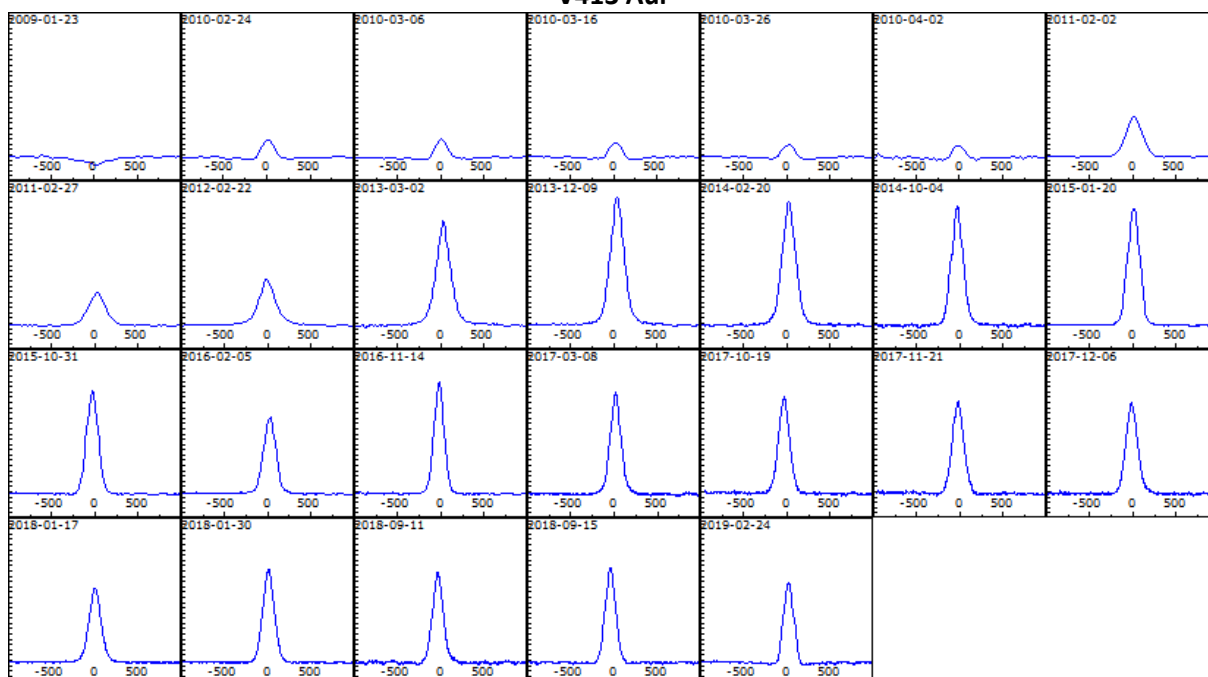
12 Aur



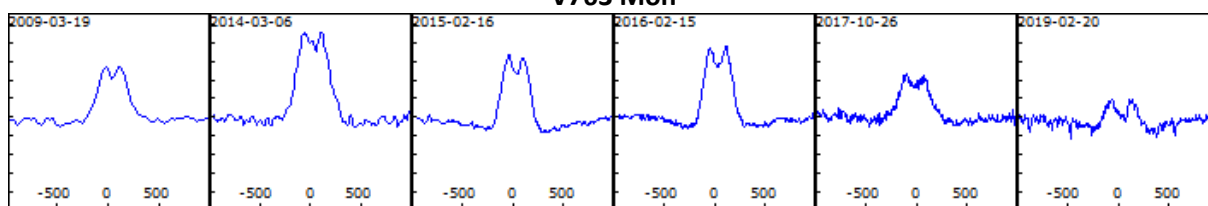
HD 44996



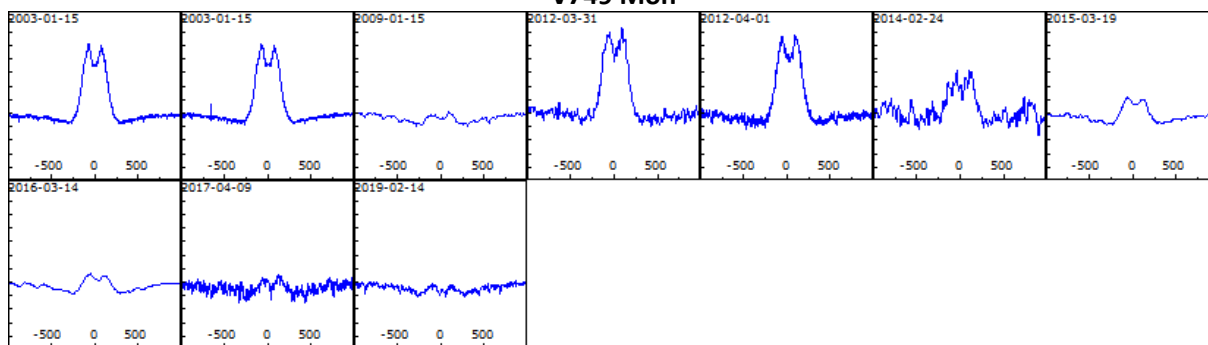
V413 Aur



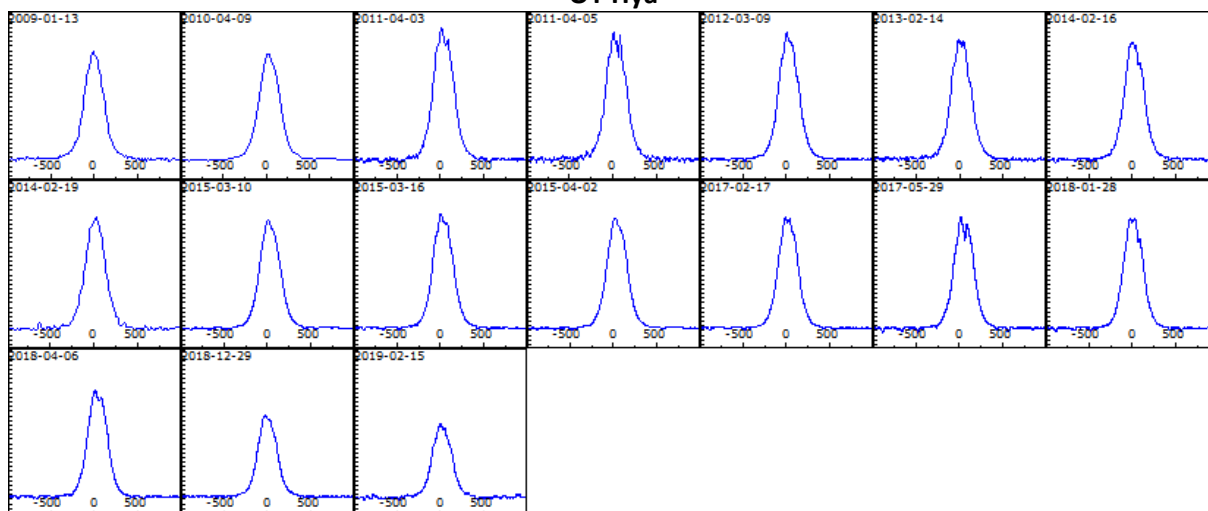
V763 Mon



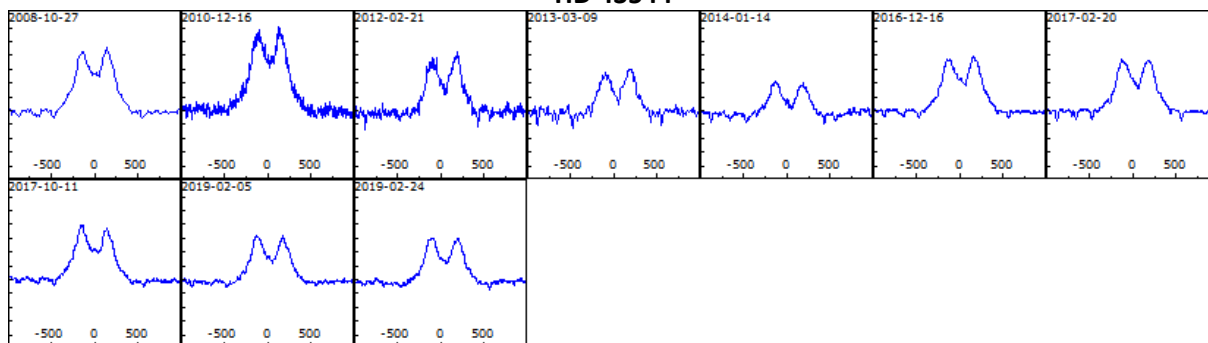
V749 Mon



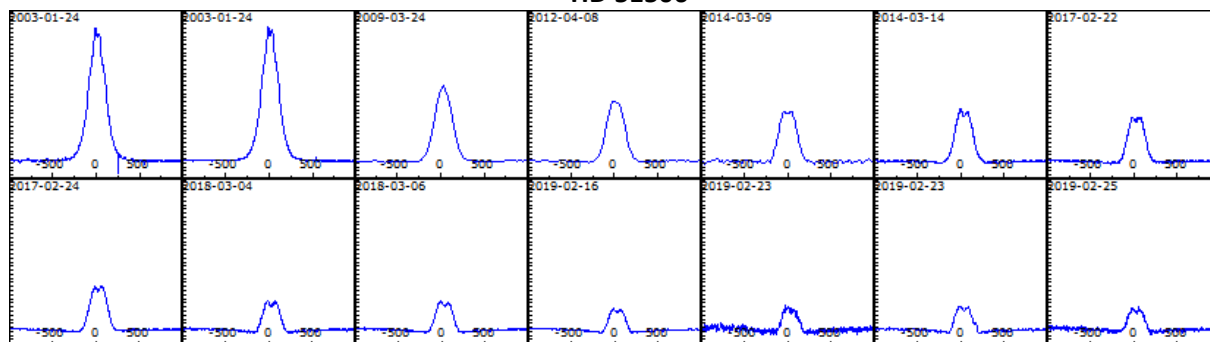
OY Hya



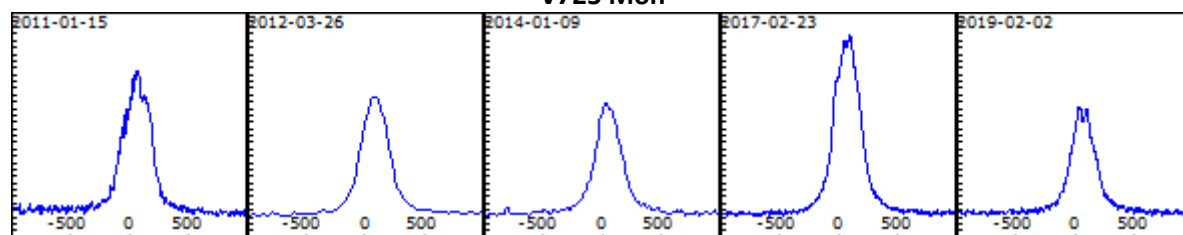
HD 43544



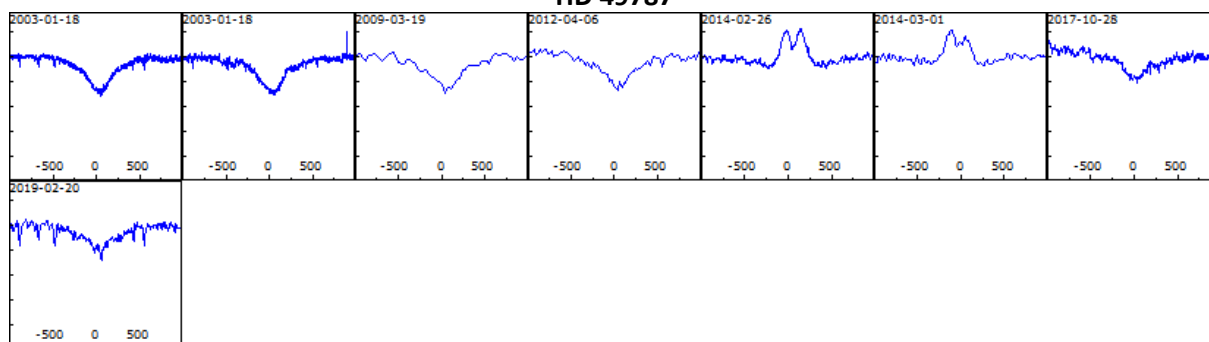
HD 51506



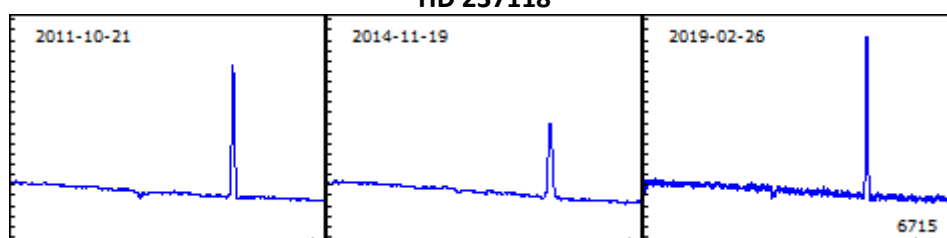
V725 Mon

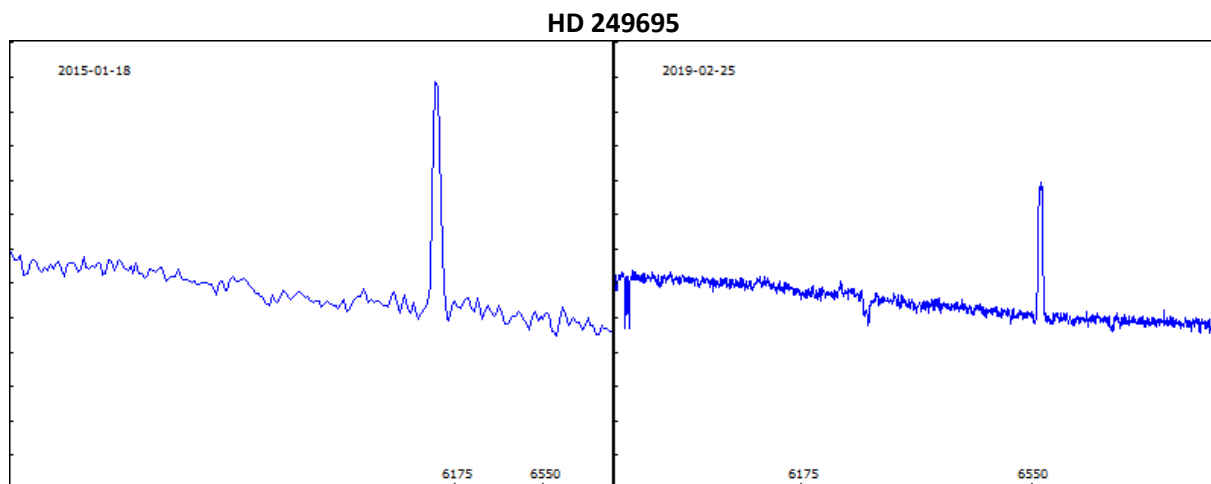


HD 49787



HD 237118





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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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>