

BeSS report – August 2019

Data compiled by Valérie Desnoux – H-alpha monitoring

- 194 stars were observed
- 32 Observers contributed this month
- 475 Spectra

Observers...

Observateur	Nb spec
Thizy	106
Buil	70
HOUPERT	57
Desnoux	41
Charbonnel	31
Leadbeater	31
Bryssinck	25
Guarro Fló	16
bertrand	13
KREIDER	12
GARDE	11
MAETZ	9
Dejean	9
Boureille	6
Halsey	5
TERRY	4
Lecocq	4
Broussat	3
Bohlsen	2
Rodriguez	2
Dull	2
de Bruin	2
DUBREUIL GUEGA	
N	2
James	2
Gurney	2
Stiewing	2
Daiber	1
MAETZ Dias	1
BOUSSIN THOMAS	1
Sollecchia	1
Lester	1
Berardi	1
Total général	475

Events of the month...

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

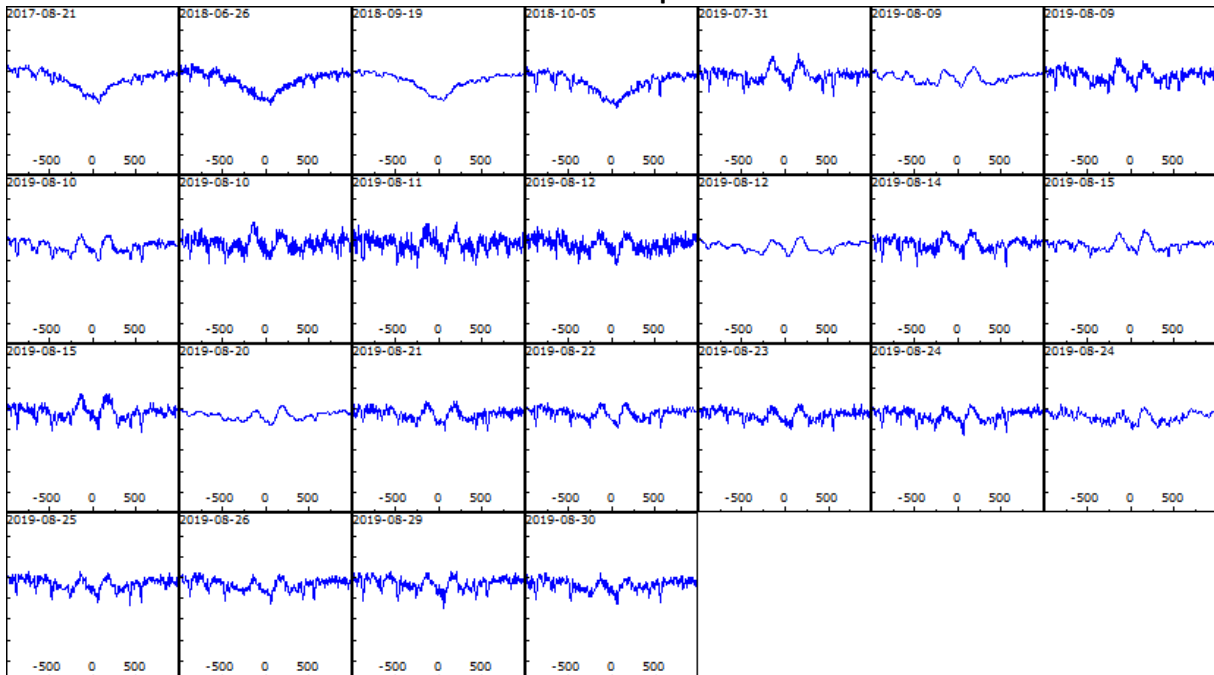
EE	ME	DE
V1448 Aql	pi Aqr	V2136 Cyg
lam Cyg	phi Per	V2148 Cyg
V568 Cyg	CX Dra	PLEIONE
HD 194779	V421 Cep	omi Cas
14 Lac	HD 175863	60 Cyg
HD 207232	59 Cyg	KY And
V380 Cep	V2113 Cyg	ups Sgr
V782 Cas	HD 171780	V801 Cas
ELECTRA	11 Cyg	11 Cam
V923 Aql	HD 194057	V594 Cas
V813 Cas	HD 171219	HD 23552
V447 Sct	V2162 Cyg	V432 Cep
V1443 Aql	HD 216057	V558 Lyr
V2211 Cyg	HD 17505	eps Cap
12 Vul	CT Cam	V341 Sge
EW Lac	V1339 Aql	V742 Cas
V764 Cas	V423 Lac	HD 161306
KX And	V408 Lac	20 Vul
HD 213088	V396 Vul	V1294 Aql
V2385 Oph	V415 Aur	HD 18552
V4024 Sgr		V818 Cas
HD 196712		HD 21641
V787 Cas		V434 Aur
12 Aur		HD 21620
V357 Lac		BD+62 285
HD 23800		HD 19818
V448 Sct		HD 18877
HD 176630		V351 Per
V1295 Aql		HD 12856
V2123 Cyg		DE Cam
V2120 Cyg		V3903 Sgr
HD 204185		EM* MWC 342
V4379 Sgr		HD 345120
tet Cir		HD 181367
BD+14 3887		V415 Lac
BD+47 3148		

Objects observed

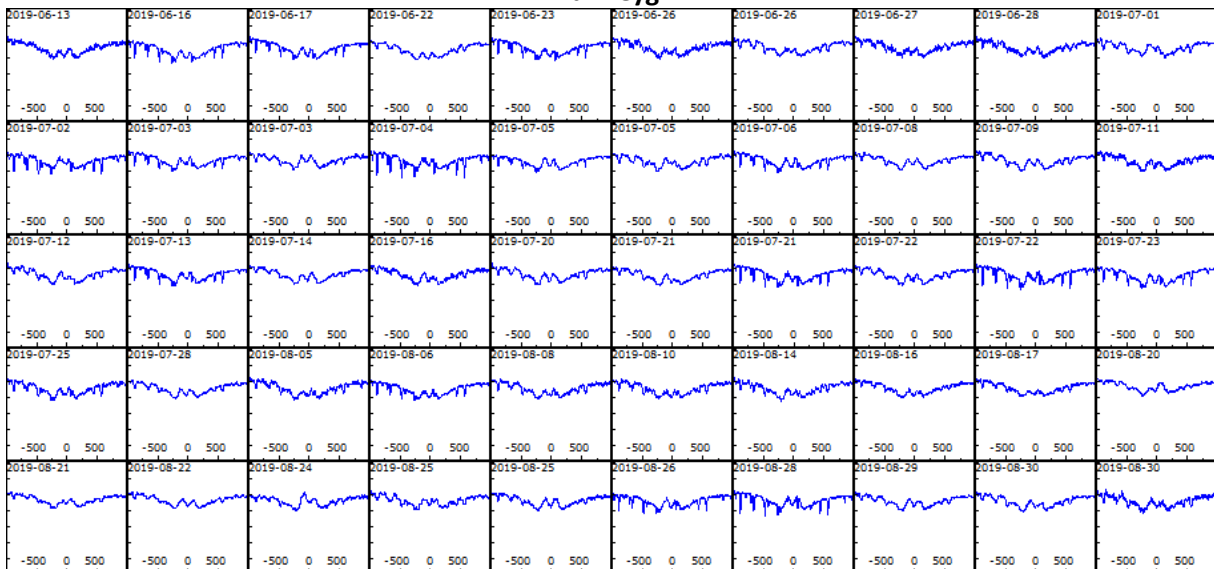
Classique						B[e]	herbig
V442 And	V1448 Aql	omi And	lam Cyg	QR Vul	28 Cyg	V594 Cas BD+14	V380 Cep
V2113 Cyg	gam Cas	25 Cyg	V568 Cyg	phi And	pi Aqr	3887 EM* MWC	VX Cas
ups Cyg	phi Per	HD 206773	HD 194779	V2136 Cyg	V2148 Cyg	342 EM* MWC	V1578 Cyg
HD 175511	CX Dra	PLEIONE	psi Per	omi Cas	del Sco	349 MWC	V1295 Aql
60 Cyg	nu Cyg	V421 Cep	HD 175863	14 Lac	SHELIAC	1080	
HD 193182	KY And	LQ And	HD 192445	HD 207232	66 Oph		
59 Cyg	HD 205551	18 And	HD 195407	V2155 Cyg	HD 183339		
V1362 Cyg	ups Sgr	V782 Cas	ALFIRK	HD 171780	11 Cyg		
ELECTRA	tet CrB	V923 Aql	25 Vul	HD 194057	HD 22780		
HD 171219	V801 Cas	10 Cas	V813 Cas	HD 201836	HD 201522		
bet Psc	V2153 Cyg	11 Cam	V2162 Cyg	V447 Sct EM* MWC	V1443 Aql		
HD 184767	V420 Cep	V2211 Cyg	BD+62 99	1063	EM* CDS 1228		
12 Vul	31 Peg	EW Lac	HD 23552	V764 Cas	HD 21455		
V432 Cep	V2119 Cyg	V558 Lyr	BK Cam	HD 216057	KX And		
HD 179343	eps Cap	V341 Sge	HD 9709	V742 Cas	HD 13867		
HD 17505	CT Cam	CW Cep	HD 161306	HD 190864	HD 197038		
HD 213088	BD+56 2626	PHECDA	omi Her	V532 Lyr	53 Boo		
HD 166256	20 Vul	iot Lyr	V2385 Oph	V1339 Aql	HD 224544		
V4024 Sgr	V1294 Aql	16 Peg	HD 18552	tet Ari	V777 Cas		
HD 169033	HD 196712	HD 2789	V423 Lac	V818 Cas	NT Peg		
V408 Lac	V396 Vul	HD 20134	V787 Cas	HD 21641	2 Cet		
V434 Aur	HD 21620	12 Aur	V357 Lac	HD 23800	HD 232590		
EM* CDS 1215	6 Cep	BD+62 285	HD 19818	HD 189689	V415 Aur		
HD 18877	V448 Sct	HD 173371	HD 176630	HD 228041	HD 187350		
HD 193516	V2123 Cyg	V351 Per	V581 Per	HD 345122	HD 12856		
DE Cam	V417 Cep	V3903 Sgr	V385 Cep	HD 225985	BD+36 4145		
V2166 Cyg	HD 203356	V2120 Cyg	HD 204185	V4379 Sgr	tet Cir		
HD 228104	HD 208220	BD+60 2584	BD+61 2494	BD+61 2380	EM* MWC 1030		
BD+47 3148	KT Cyg EM* MWC	V490 Cep	HD 345120	V374 Cep	EM* MWC 674		
BD+50 447	677	HD 181803 CI* NGC	HD 181367	EM* AS 3	BD+57 2678		
EM* CDS 1464	EM* CDS 1367	6913 SAND 151	BD+63 124	V415 Lac			

Emission increase since last observations

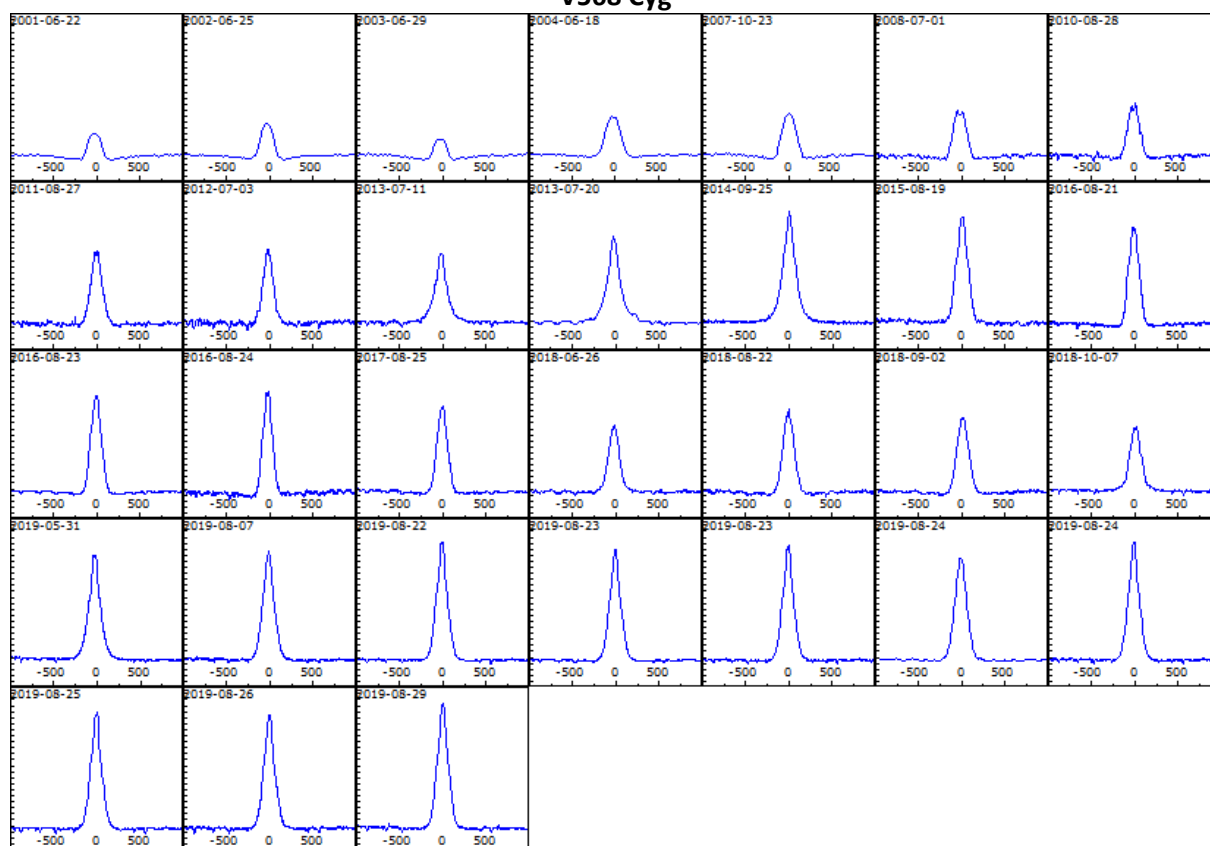
V1448 Aql



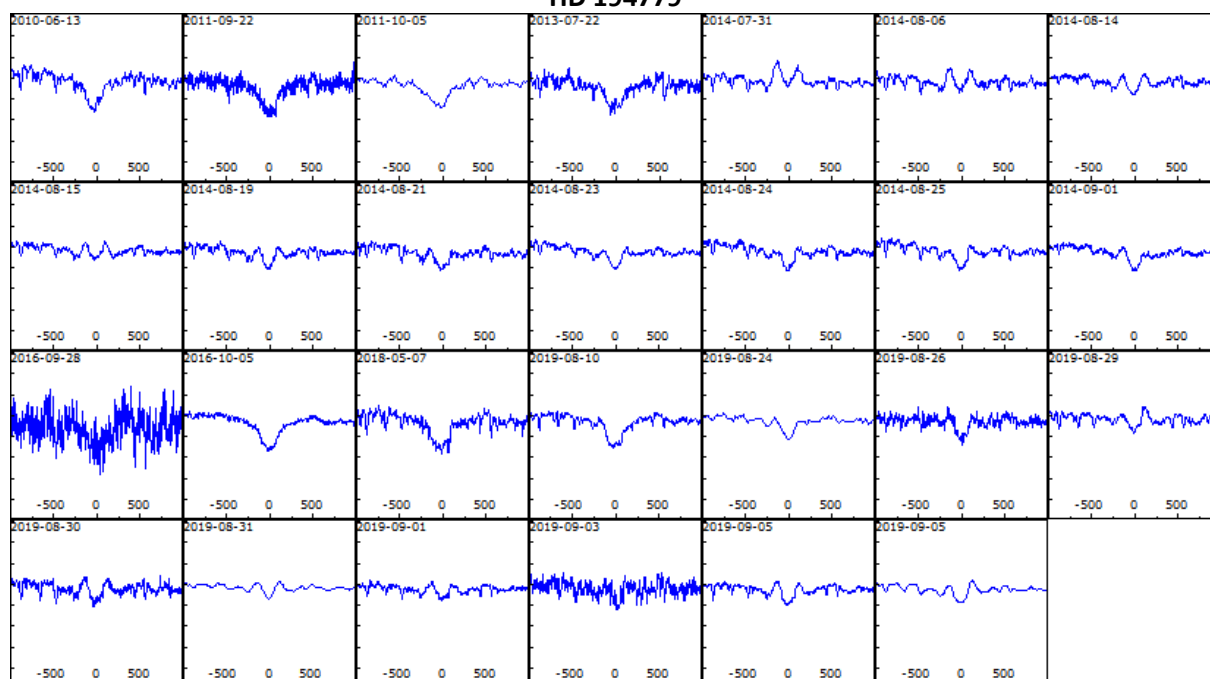
Iam Cyg



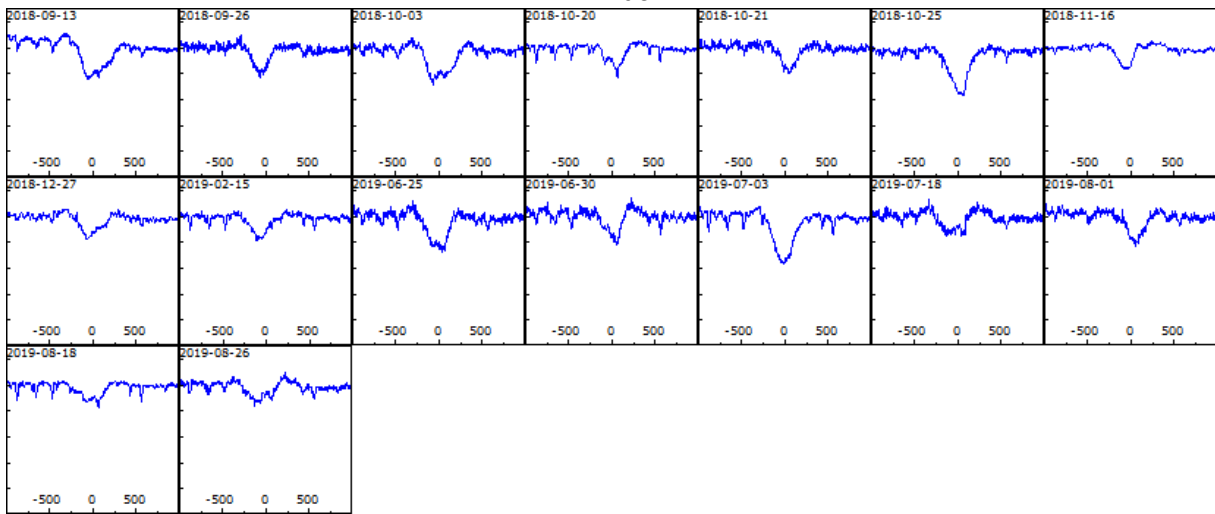
V568 Cyg



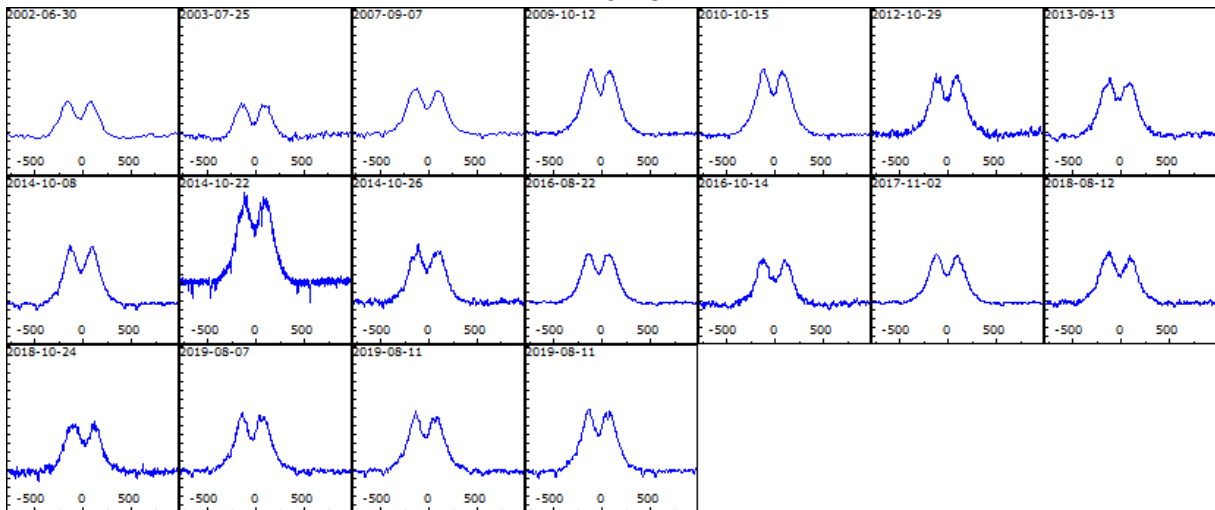
HD 194779



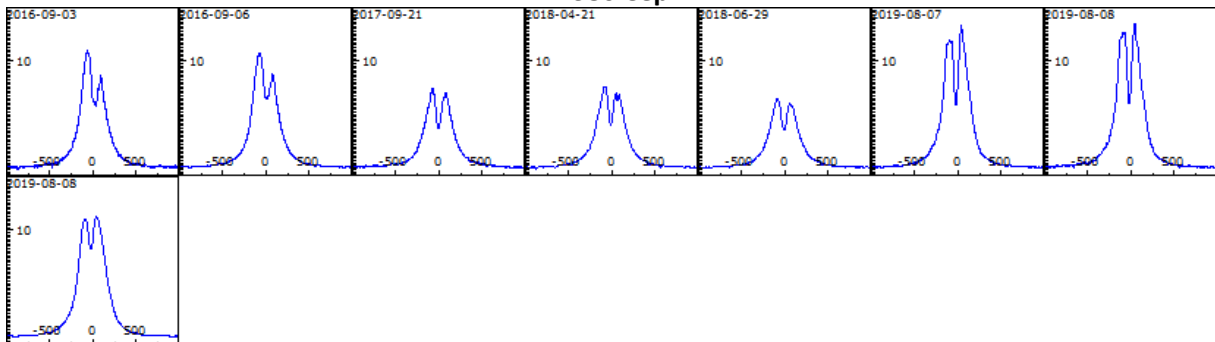
14 Lac



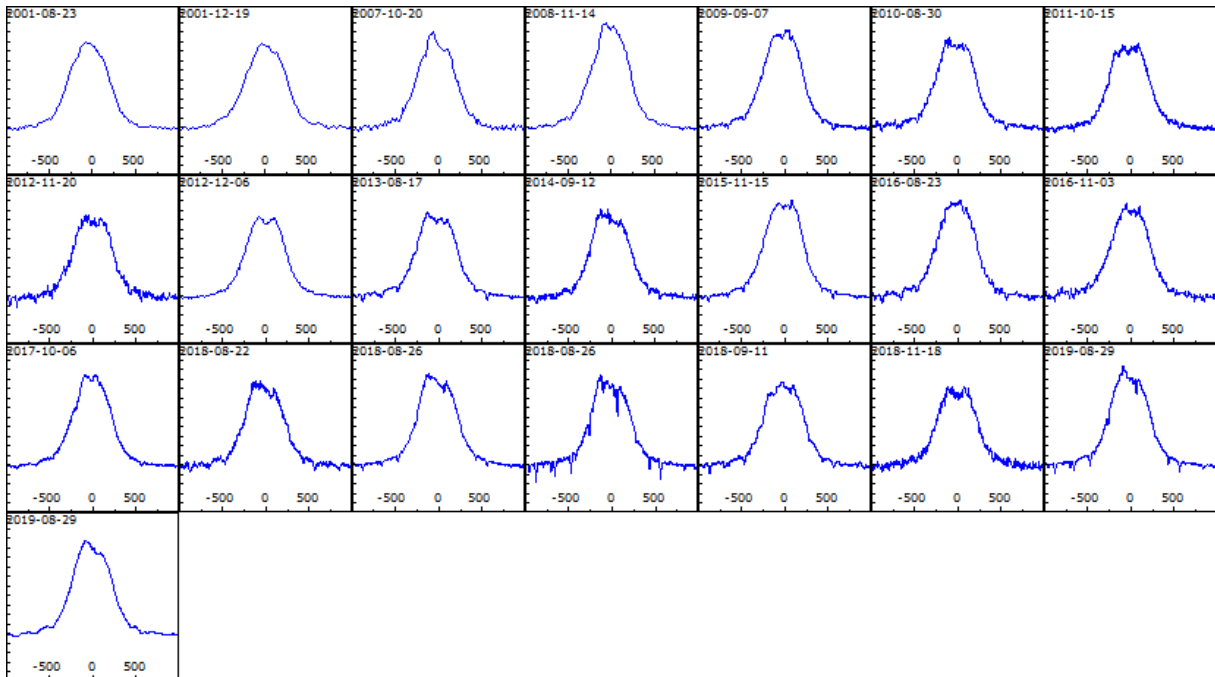
HD 207232



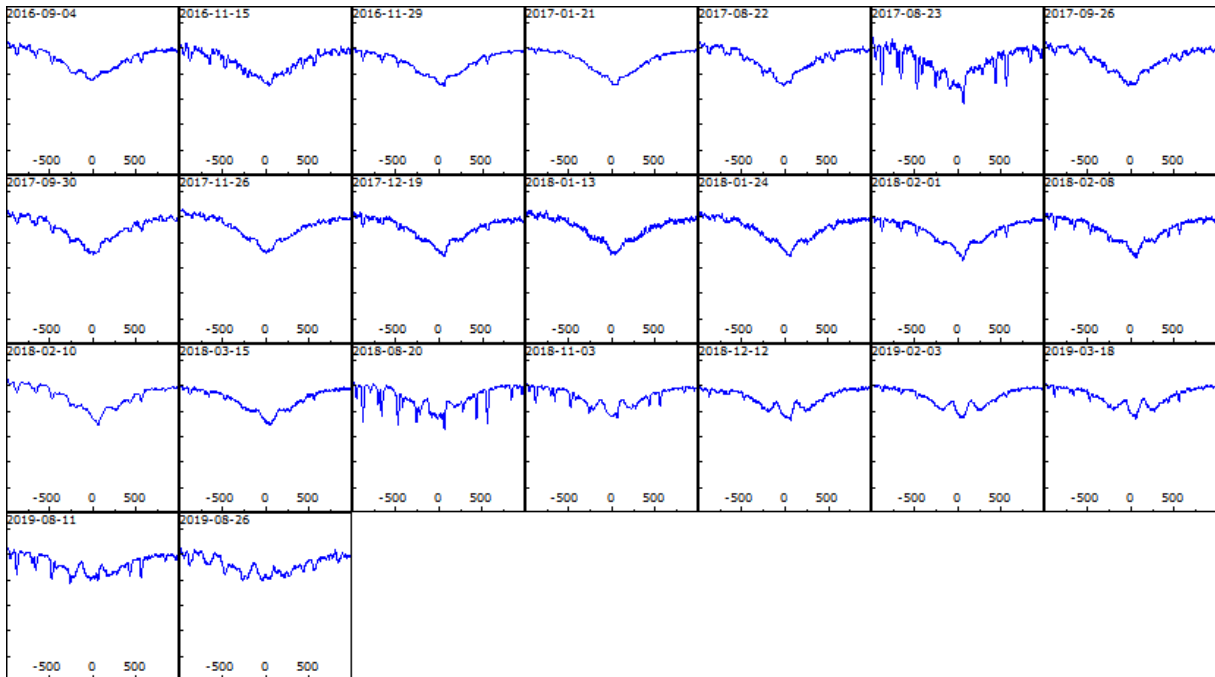
V380 Cep



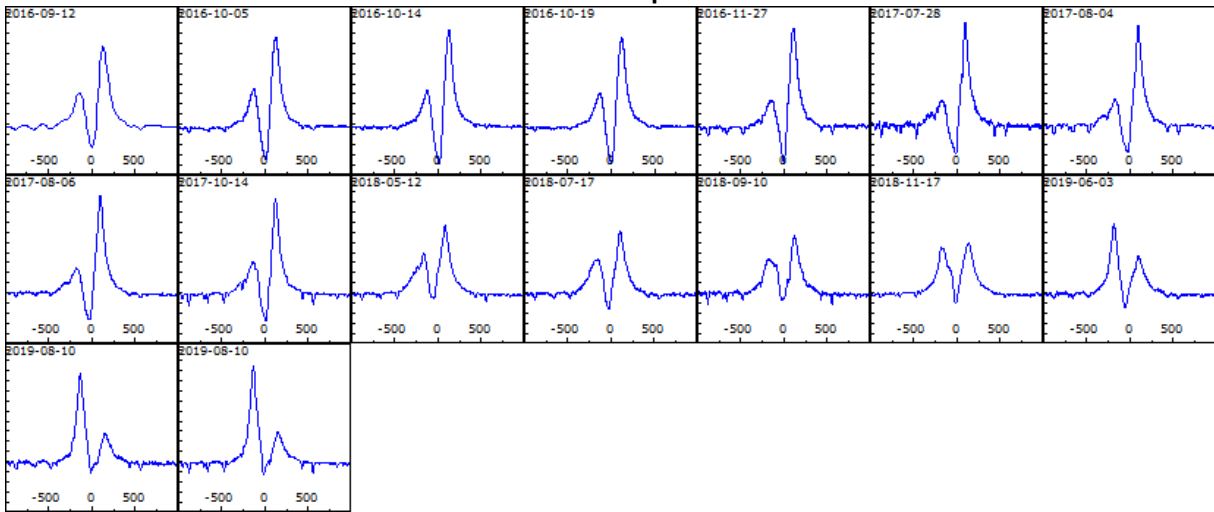
V782 Cas



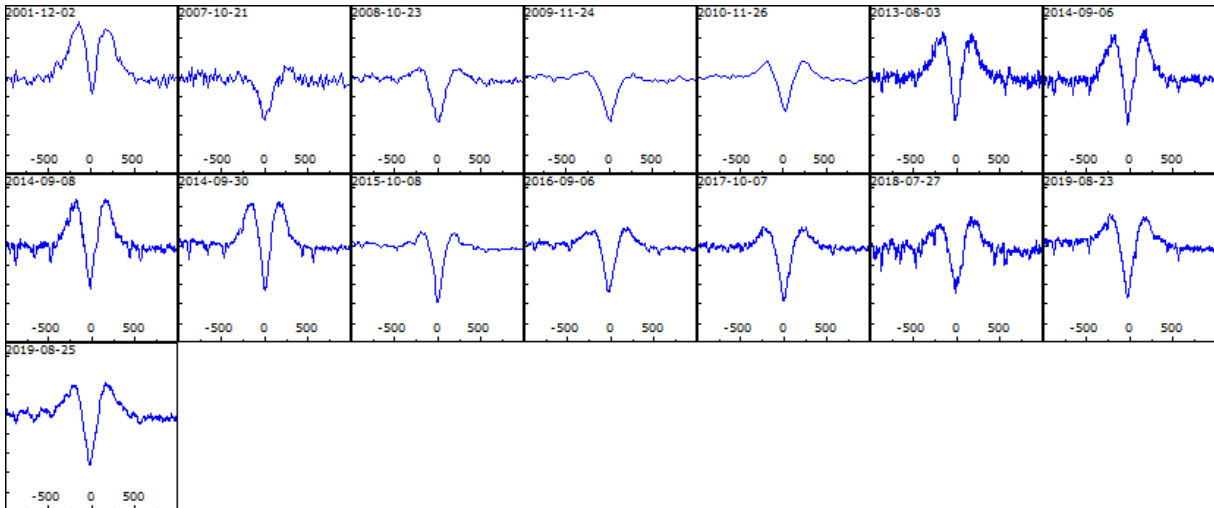
ELECTRA



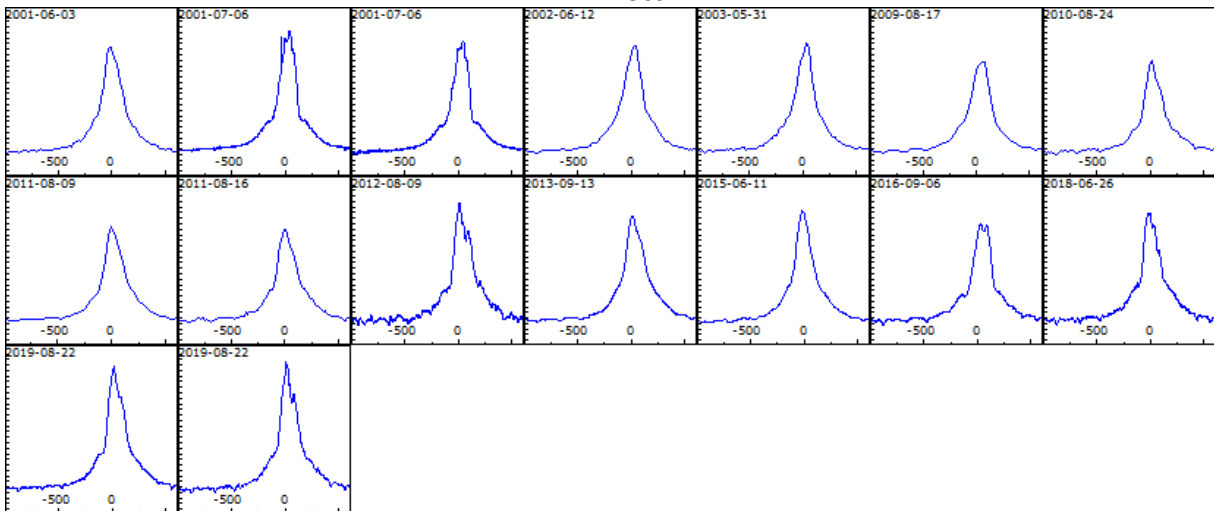
V923 Aql



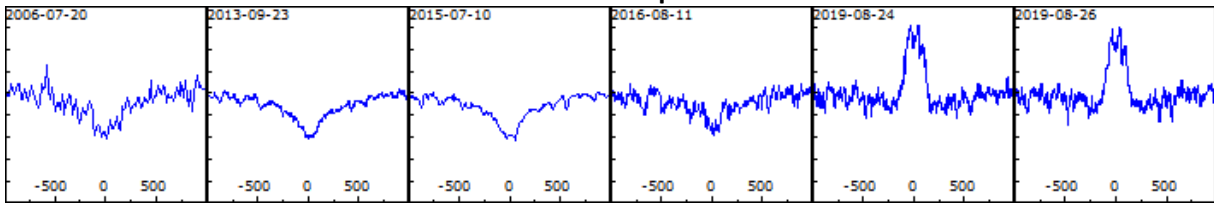
V813 Cas



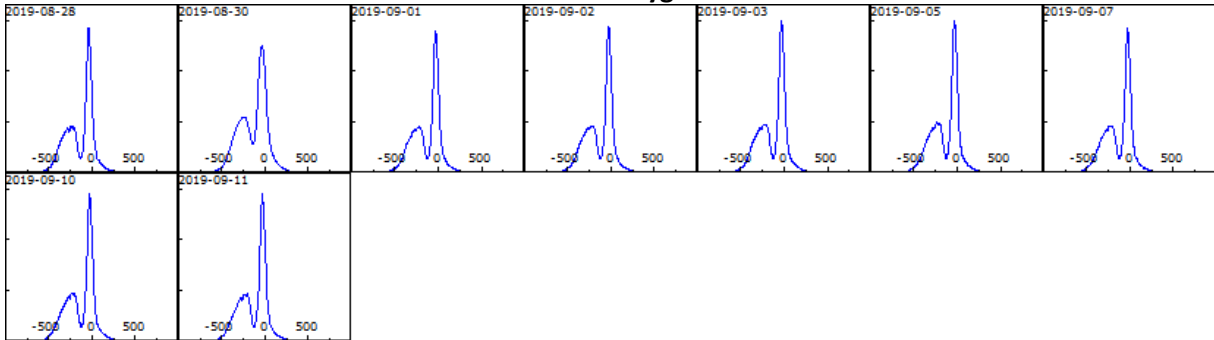
V447 Sct



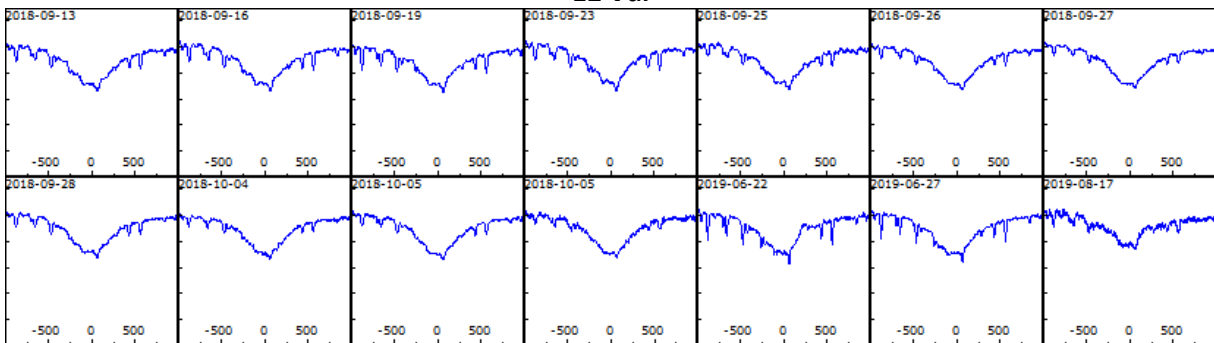
V1443 Aql



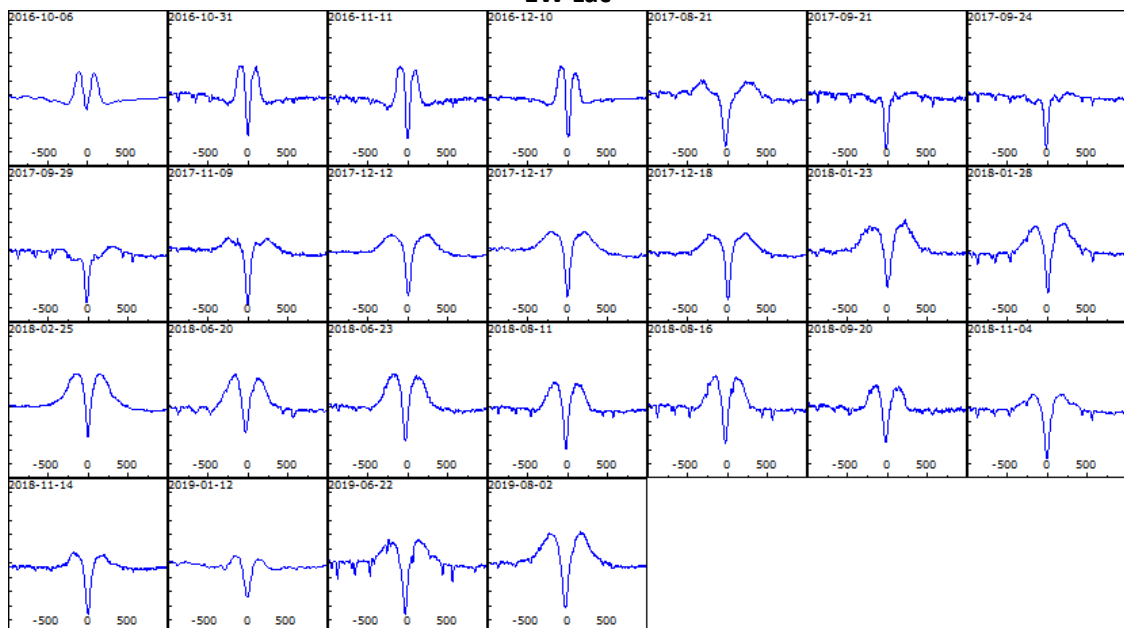
V2211 Cyg



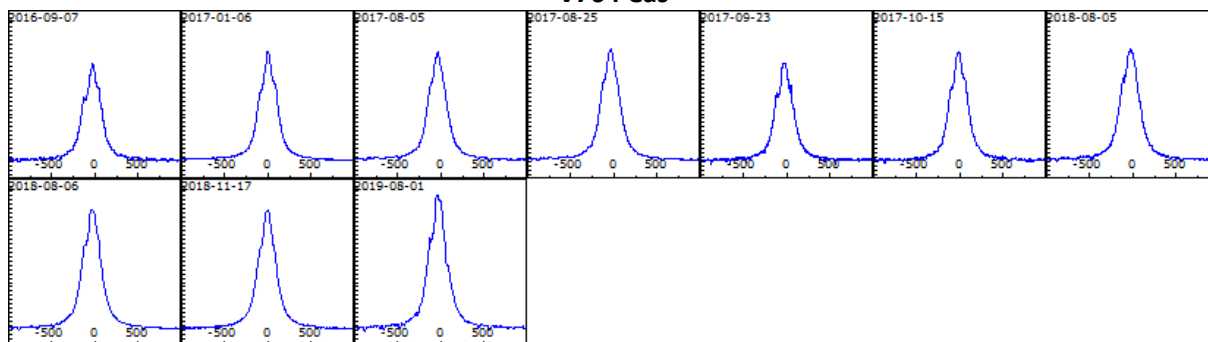
12 Vul



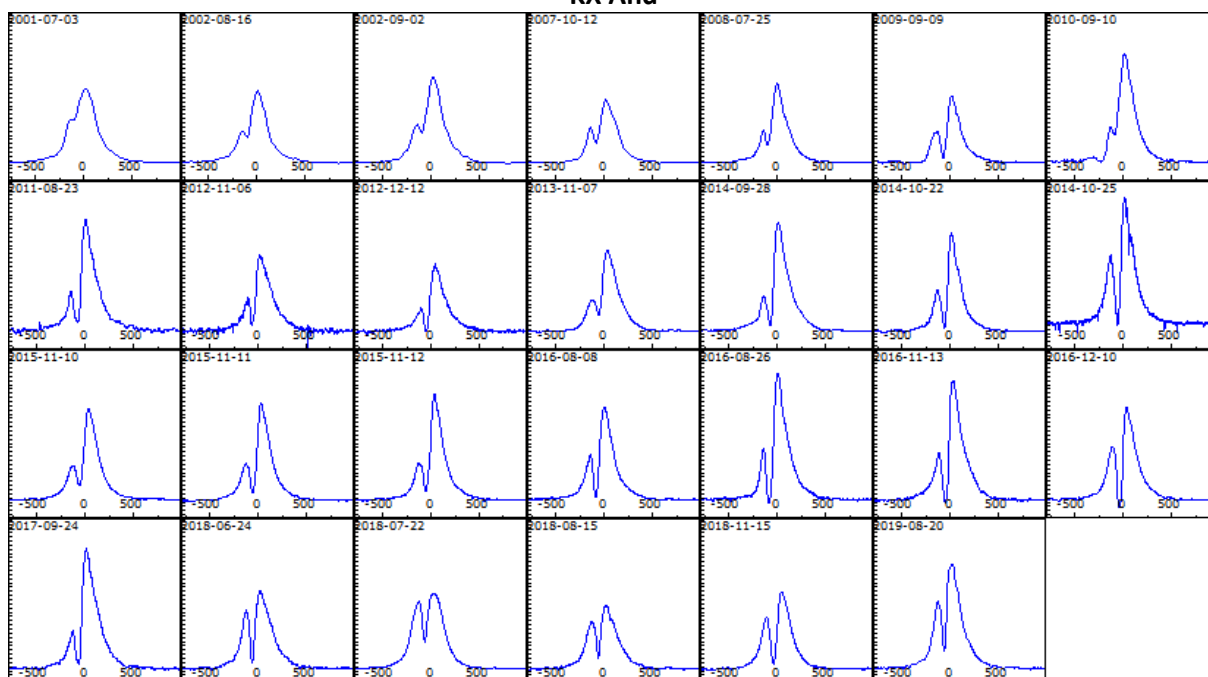
EW Lac



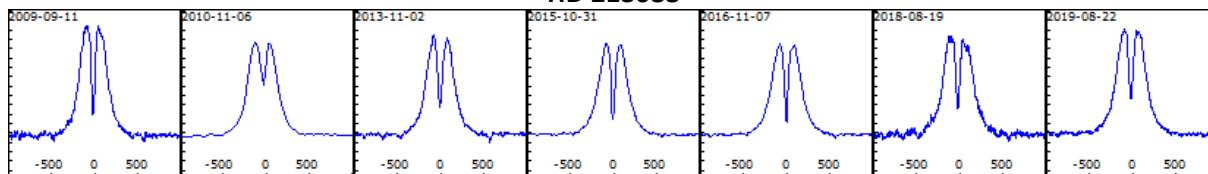
V764 Cas



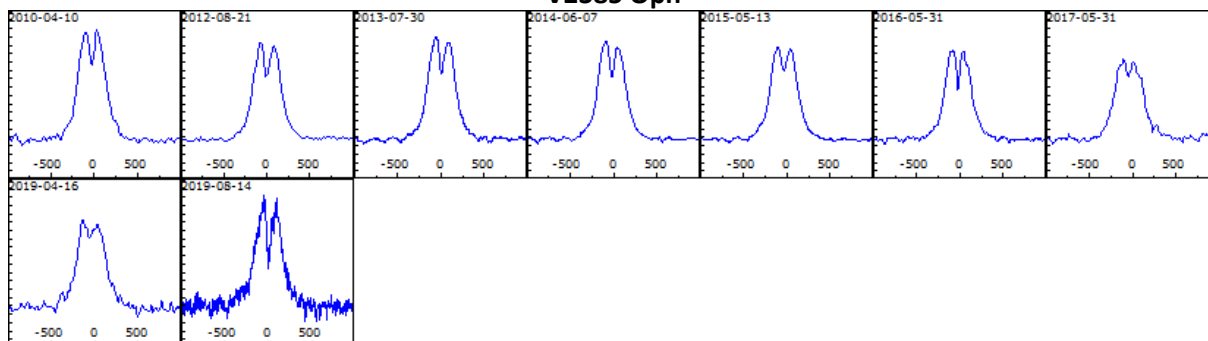
KX And



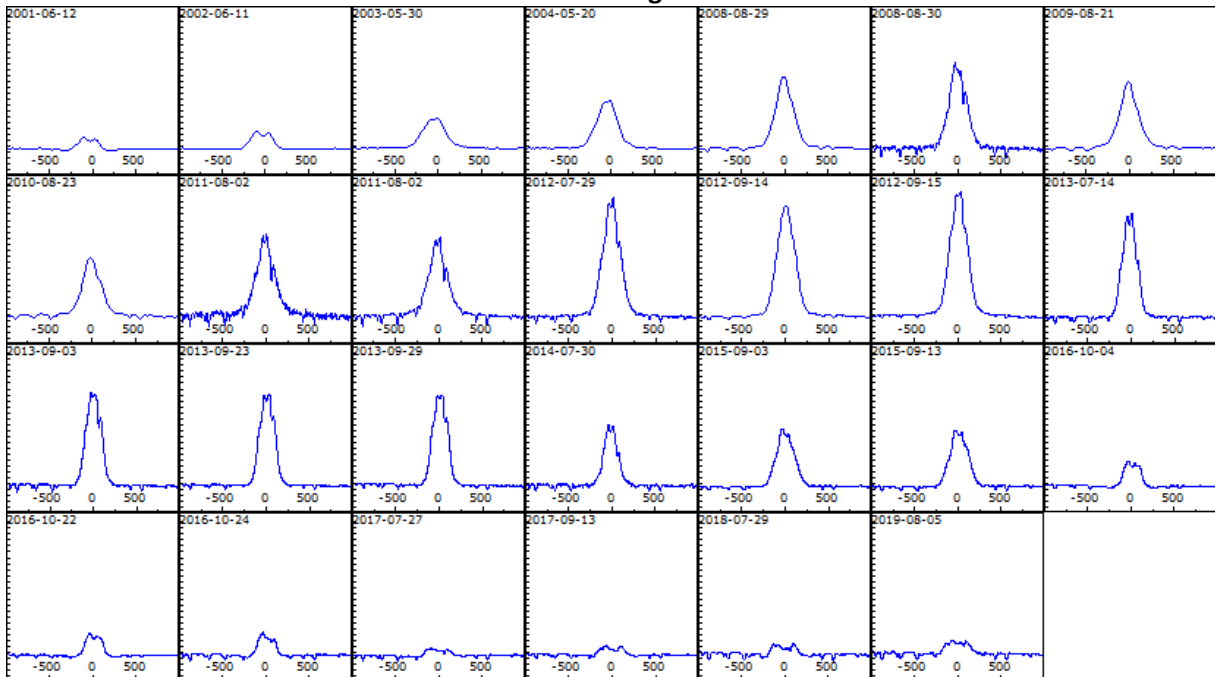
HD 213088



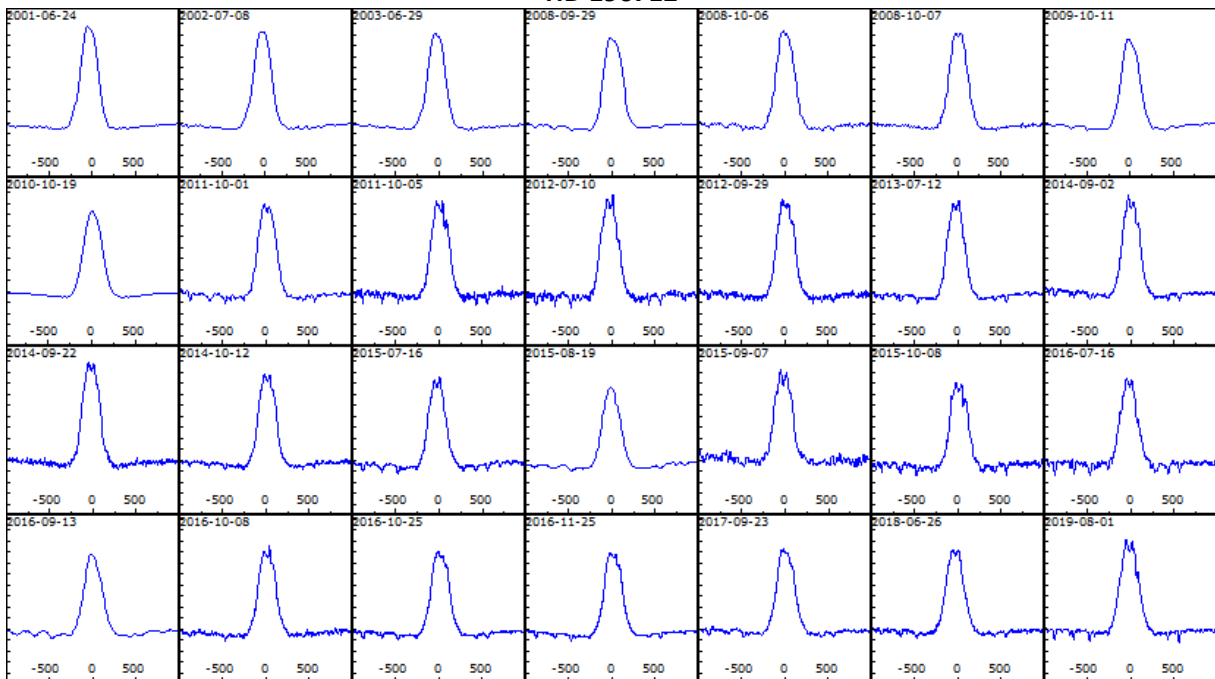
V2385 Oph



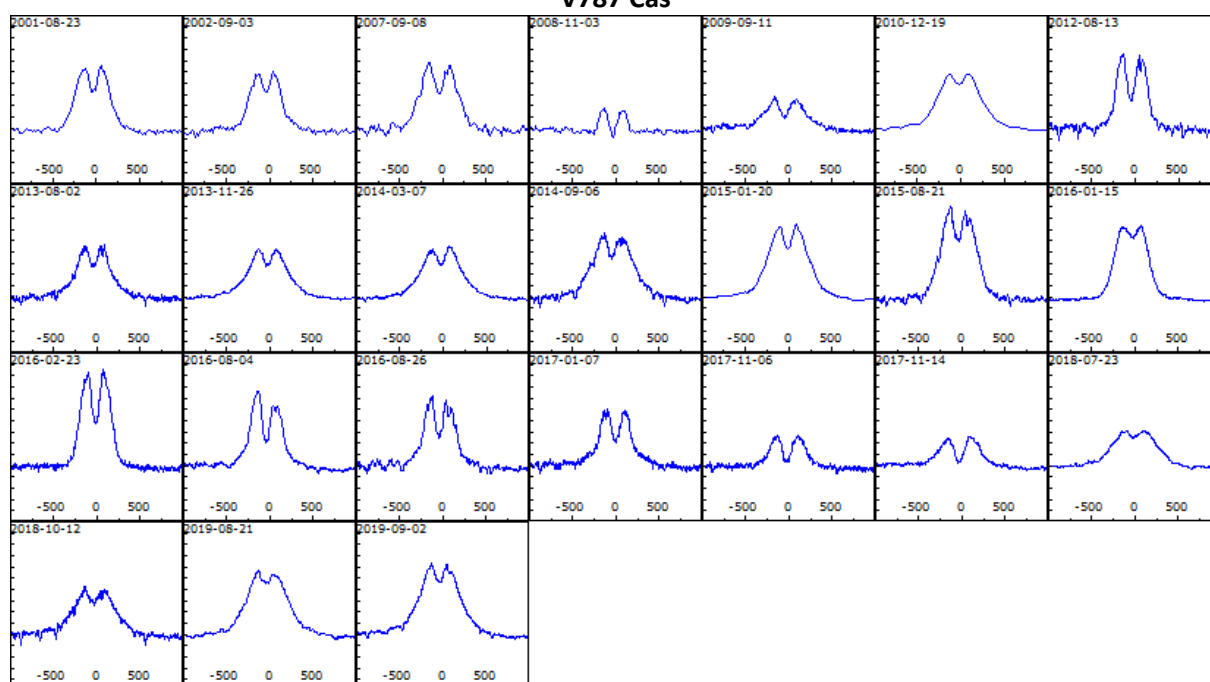
V4024 Sgr



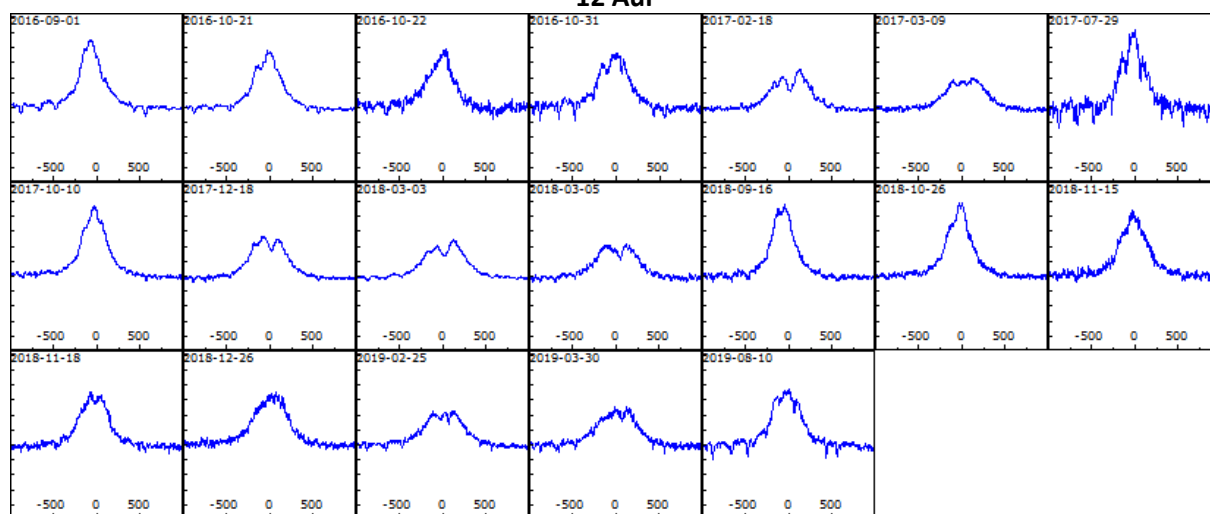
HD 196712



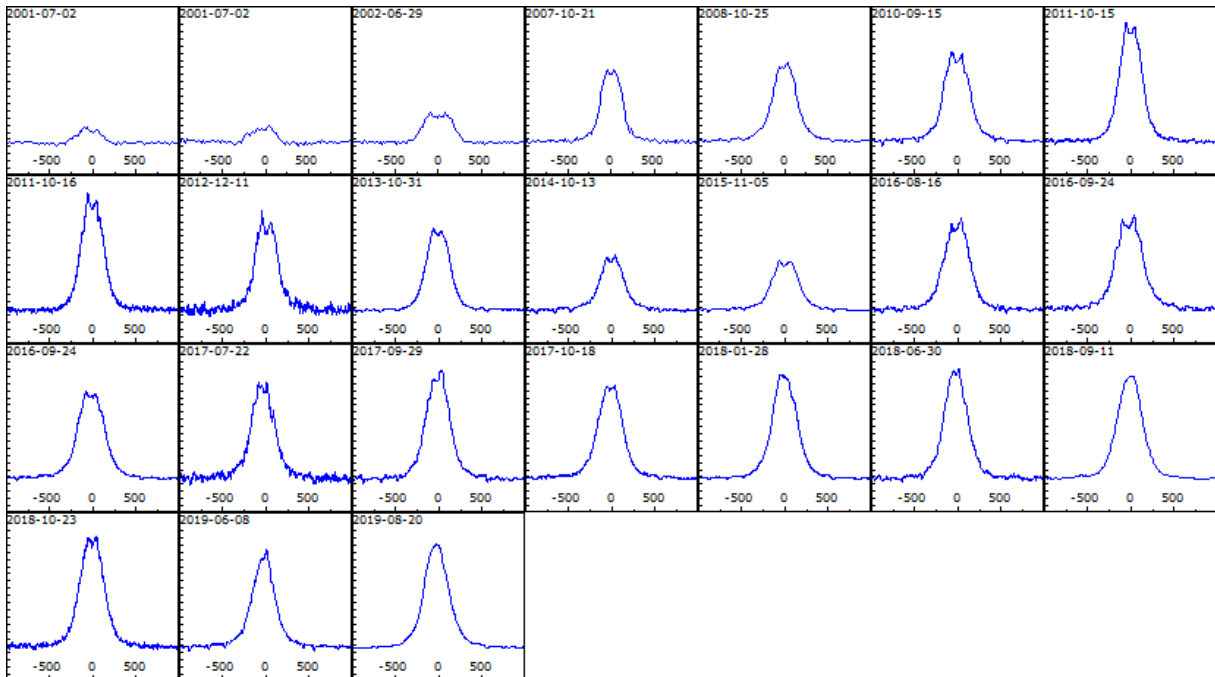
V787 Cas



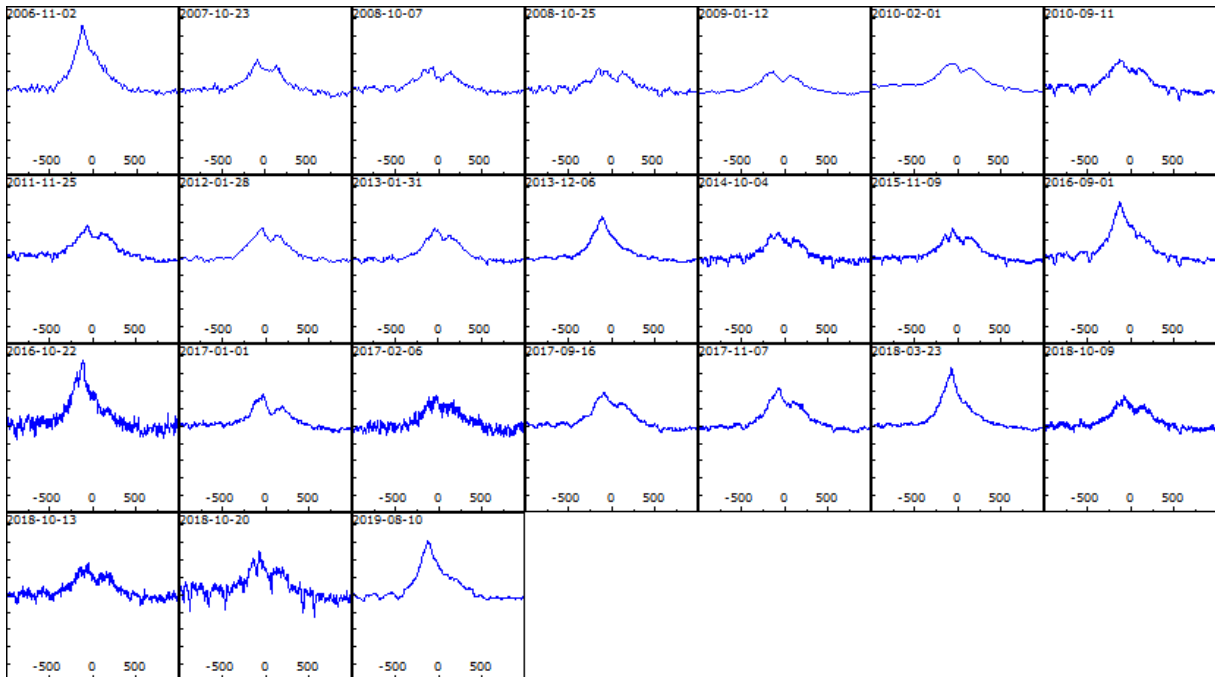
12 Aur



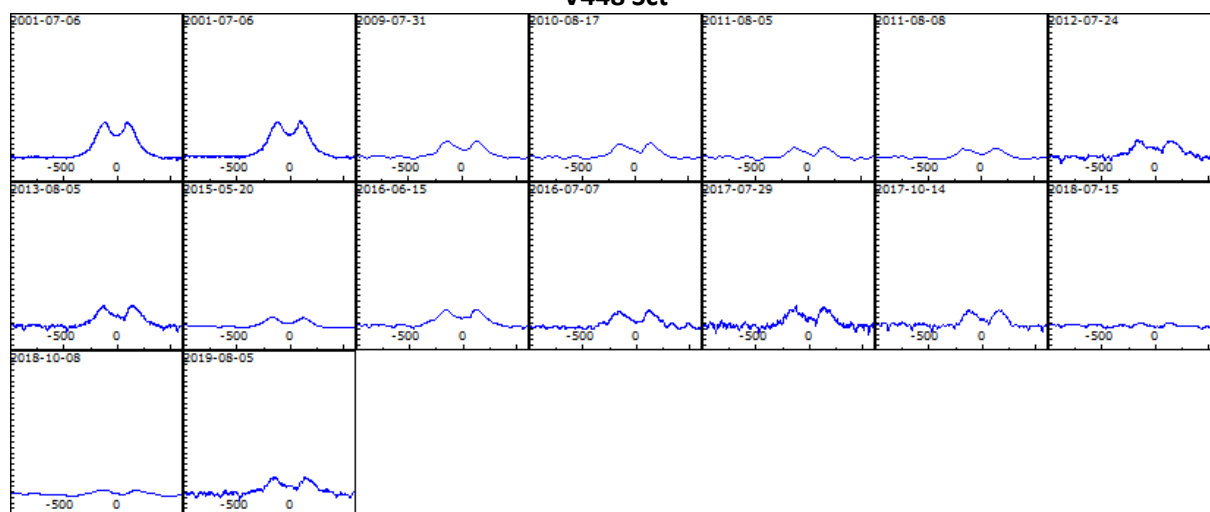
V357 Lac



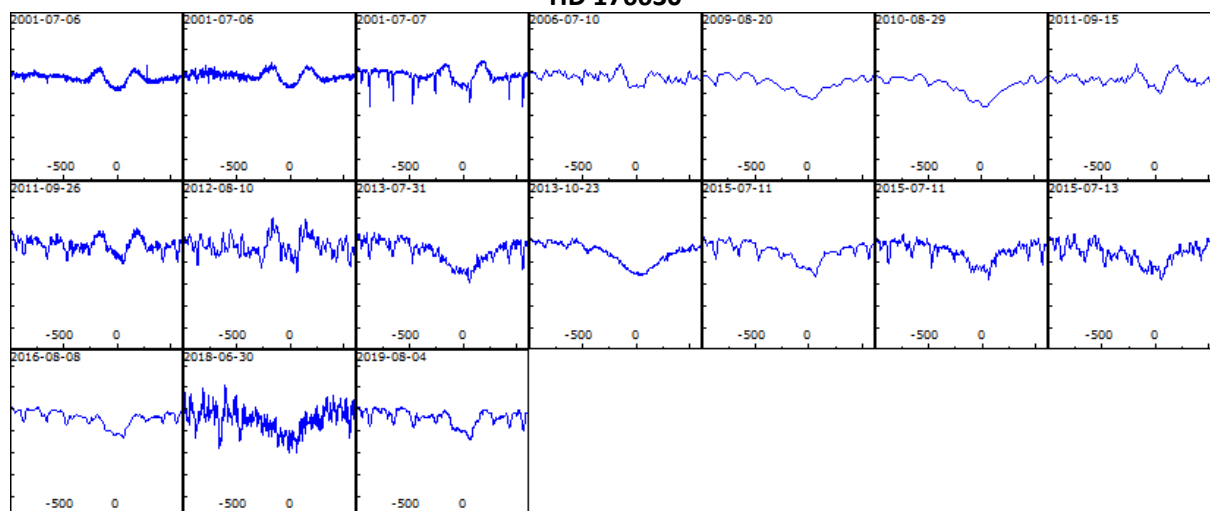
HD 23800



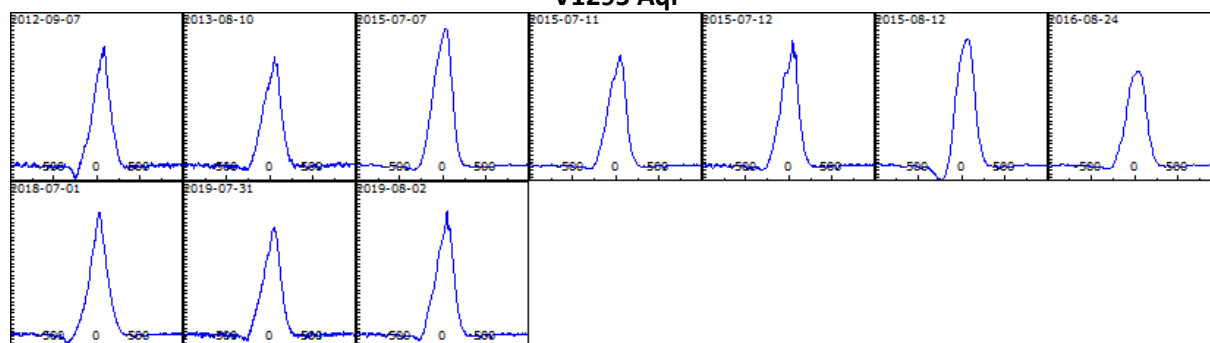
V448 Sct



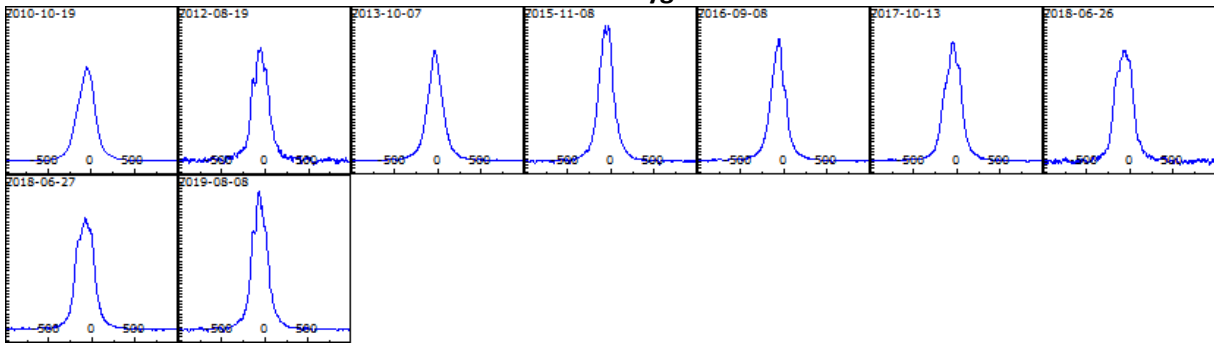
HD 176630



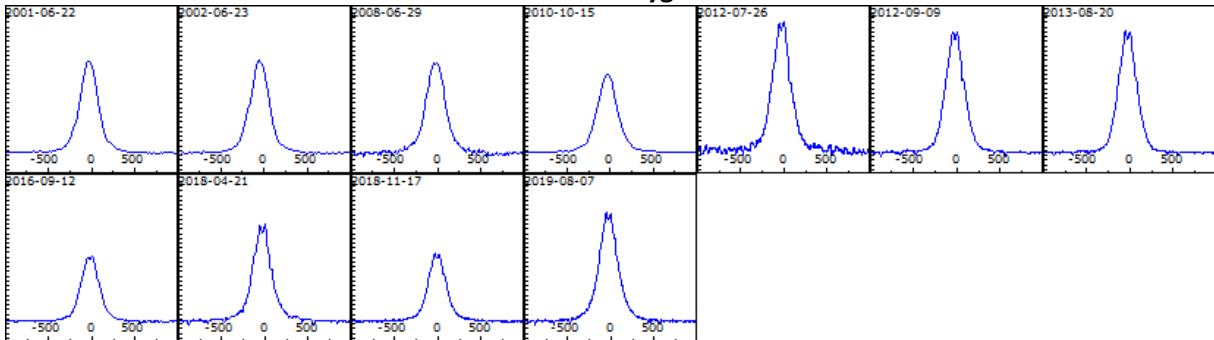
V1295 Aql



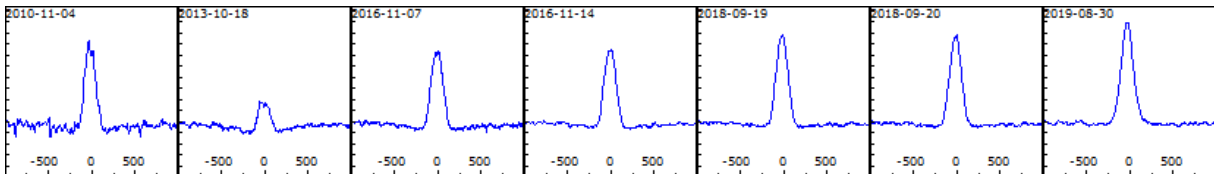
V2123 Cyg



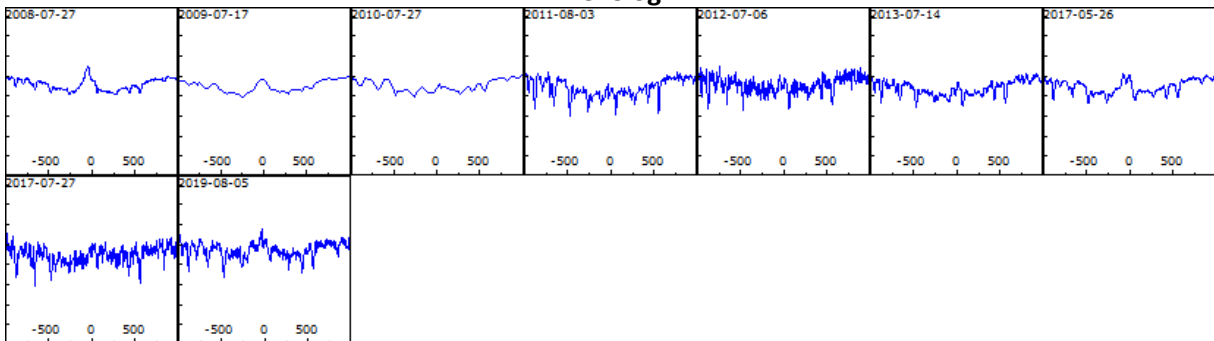
V2120 Cyg

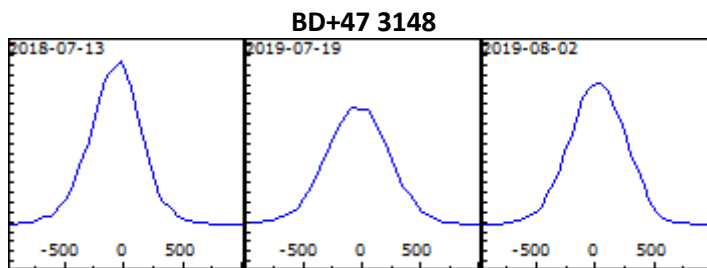
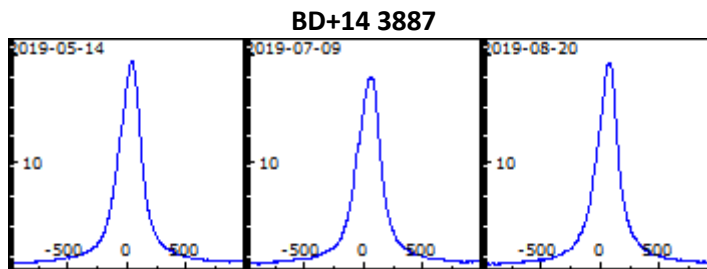
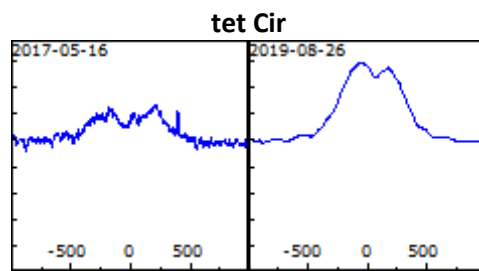


HD 204185

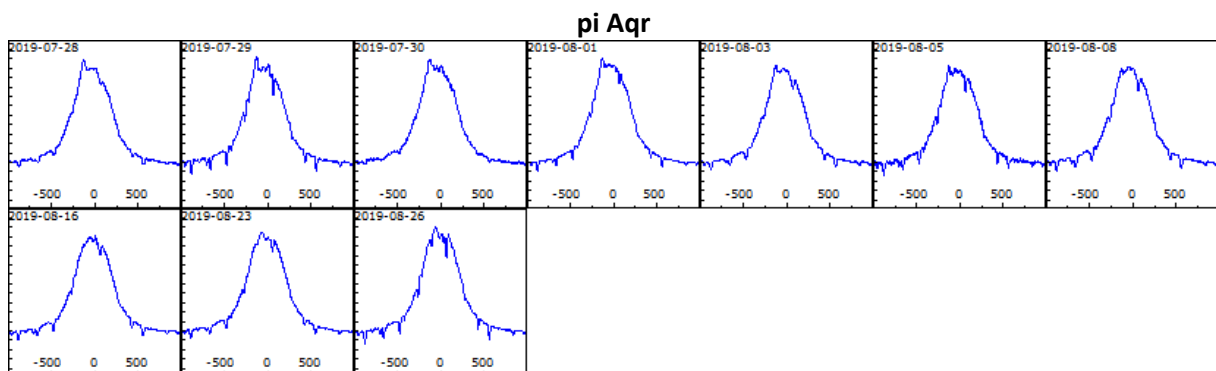


V4379 Sgr

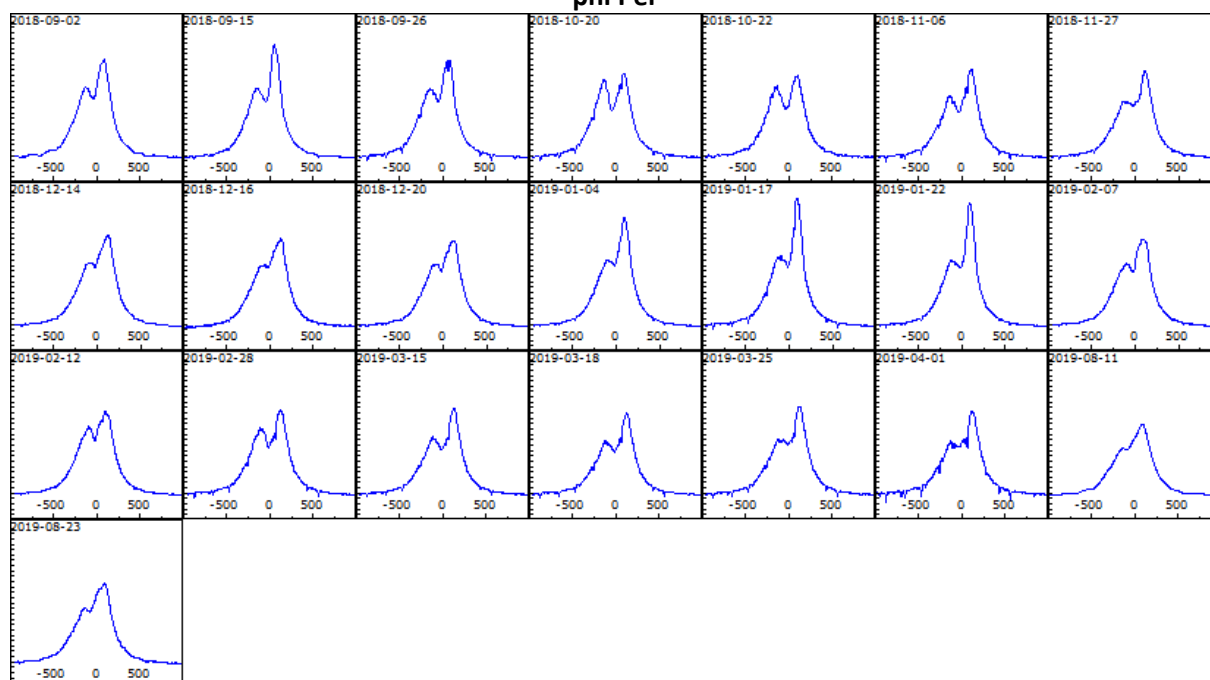




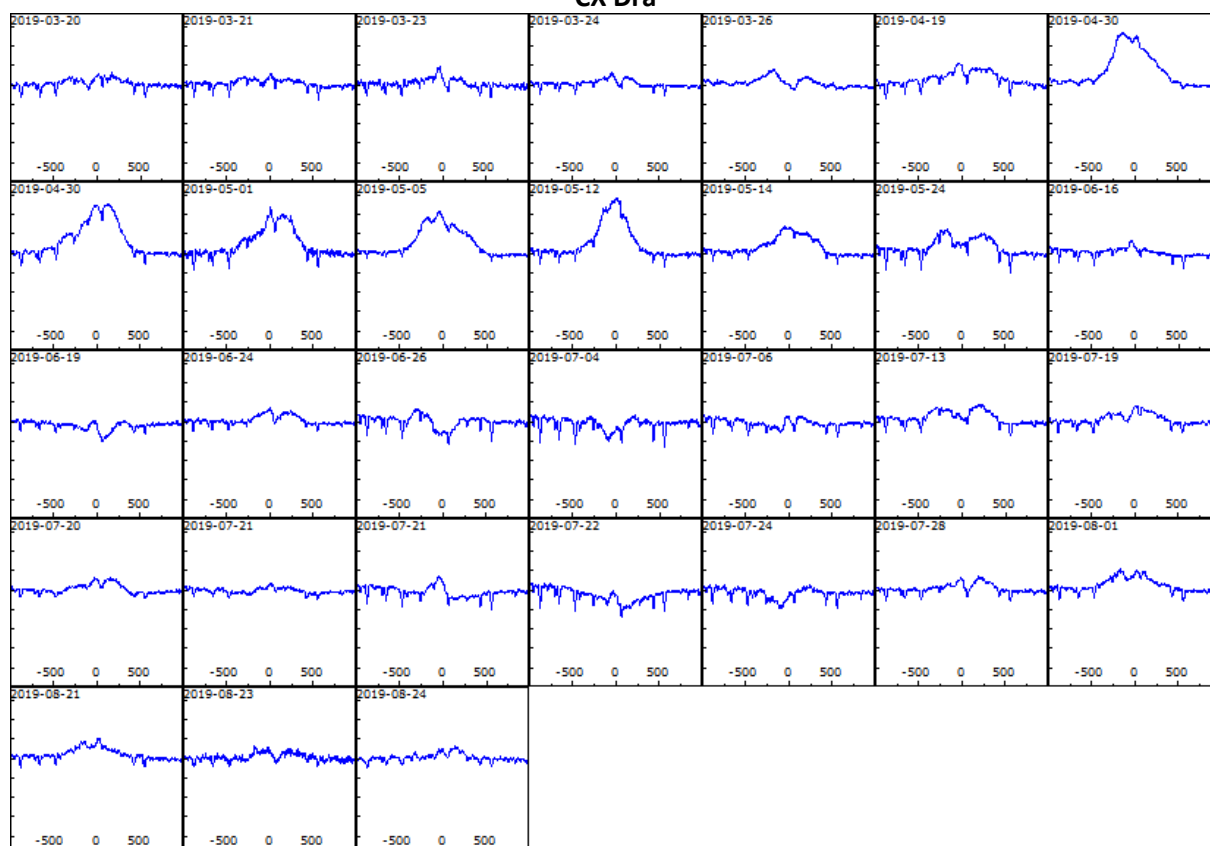
Moderate evolution of H-alpha line



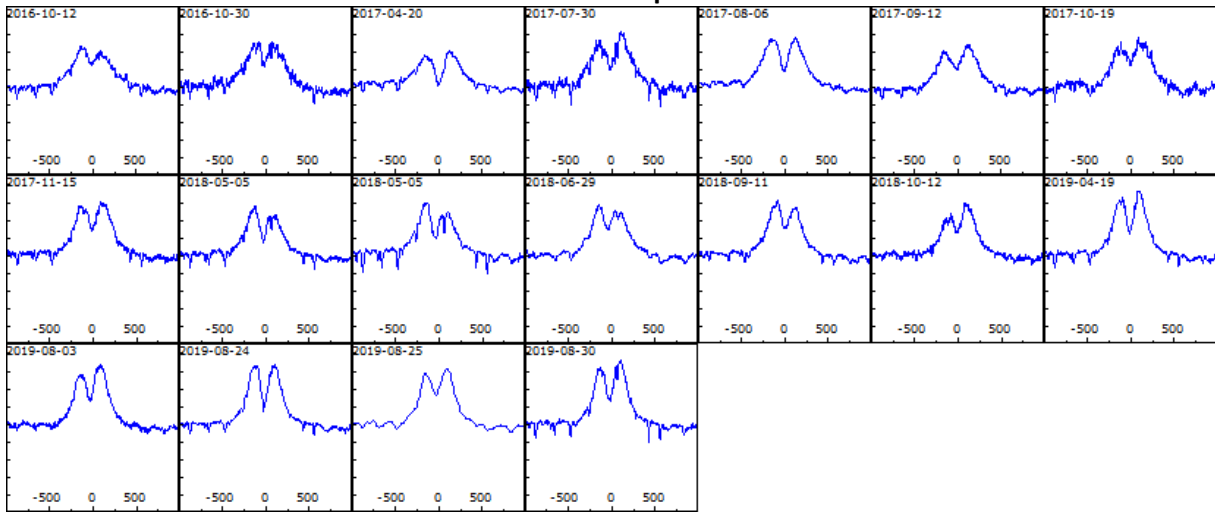
phi Per



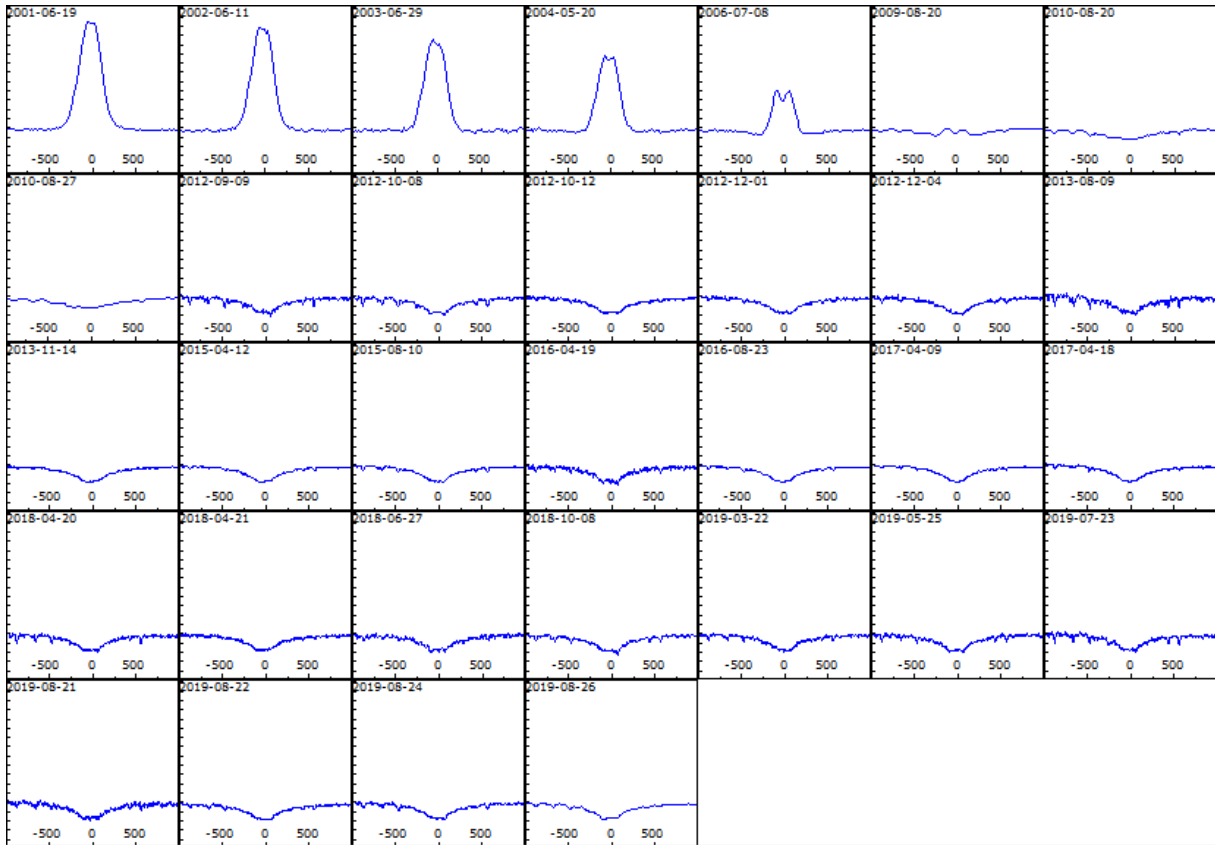
CX Dra



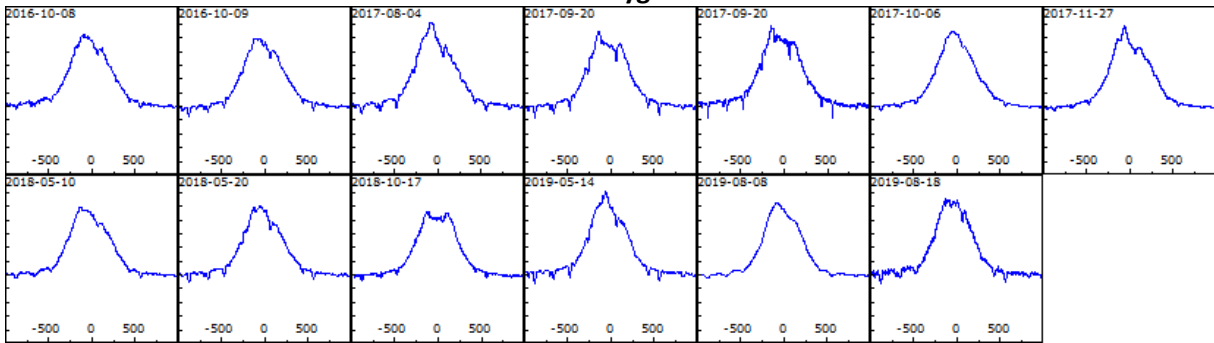
V421 Cep



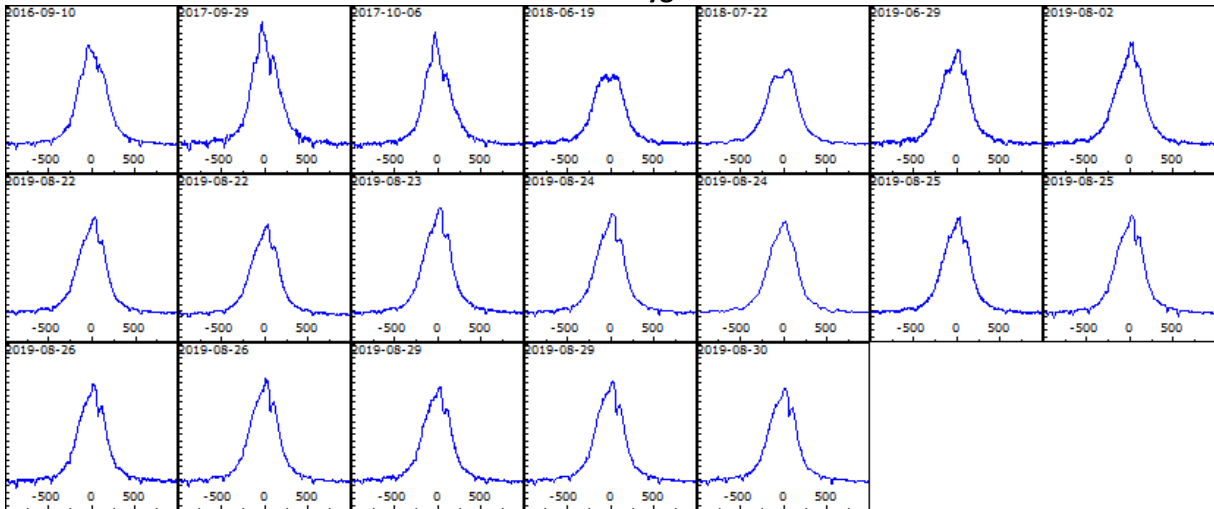
HD 175863



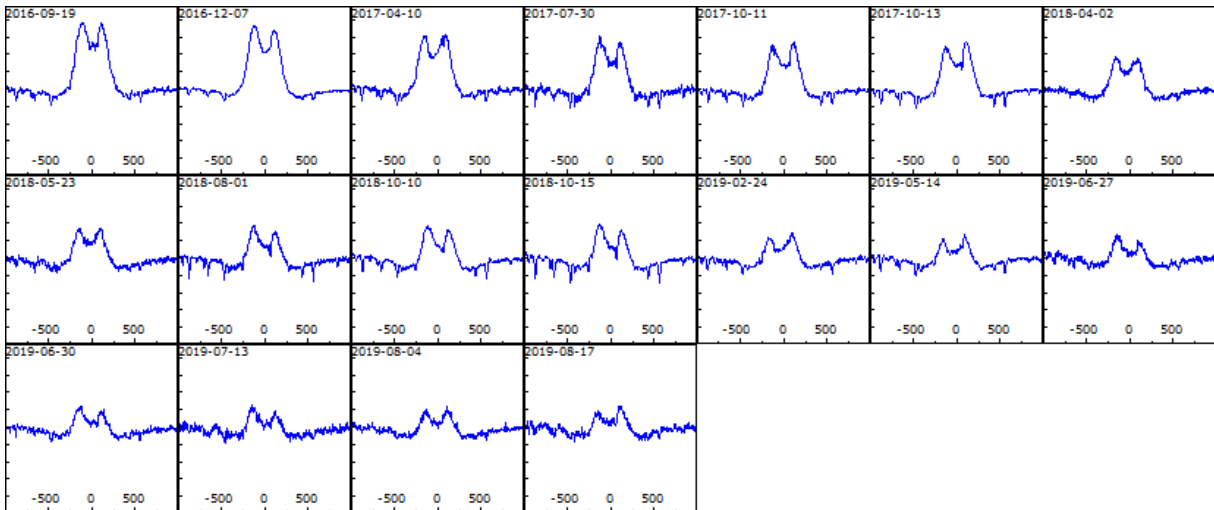
59 Cyg



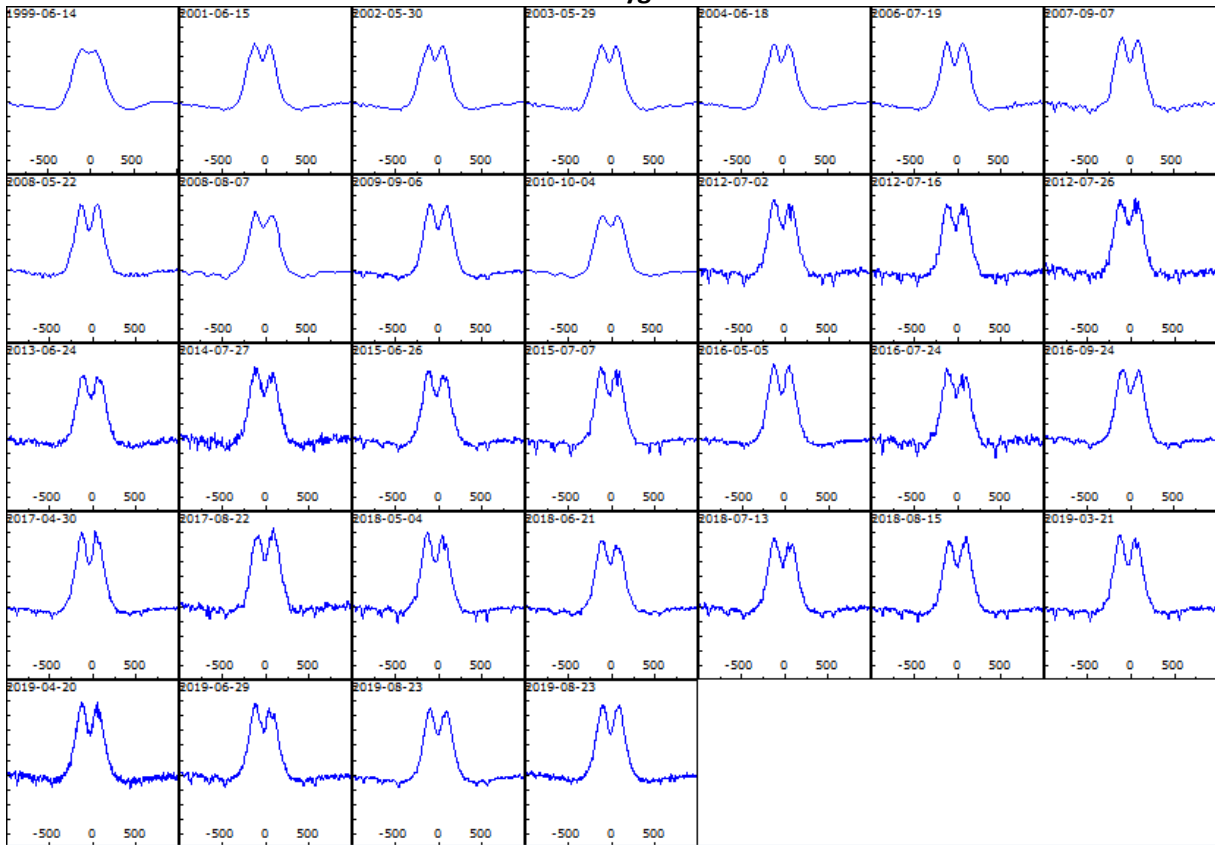
V2113 Cyg



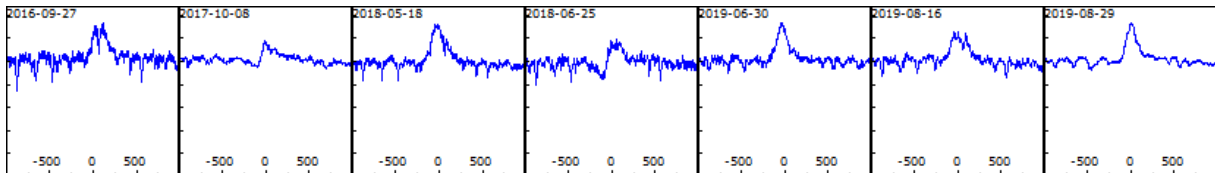
HD 171780



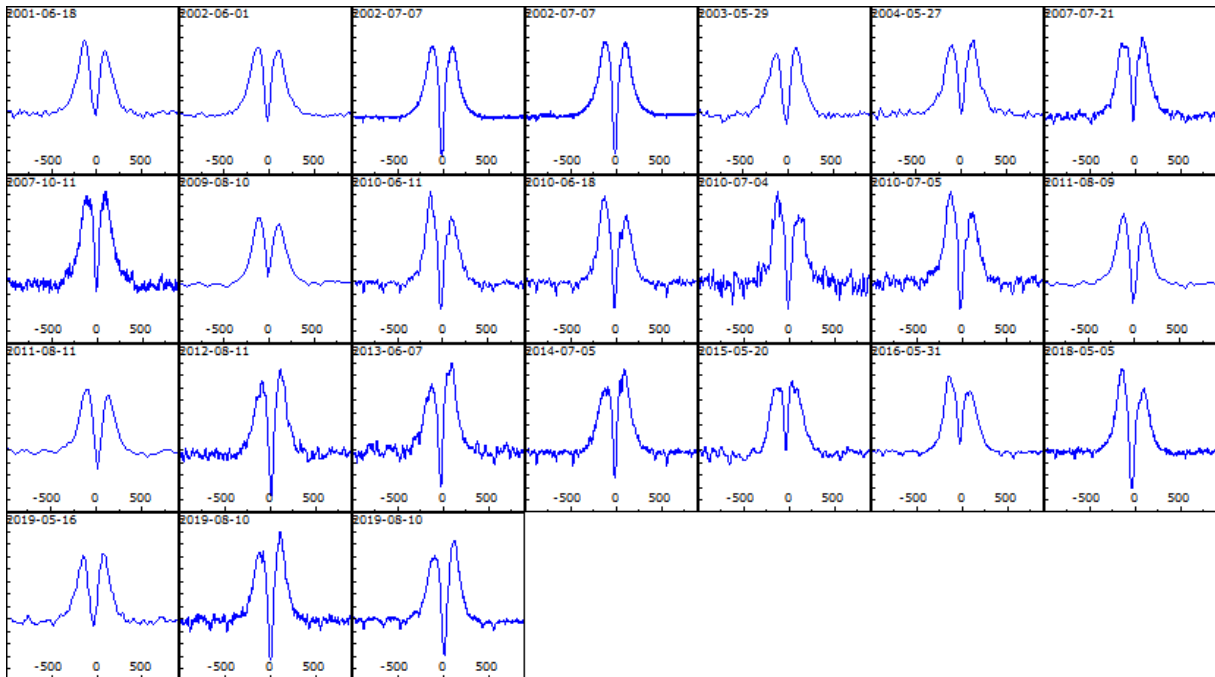
11 Cyg



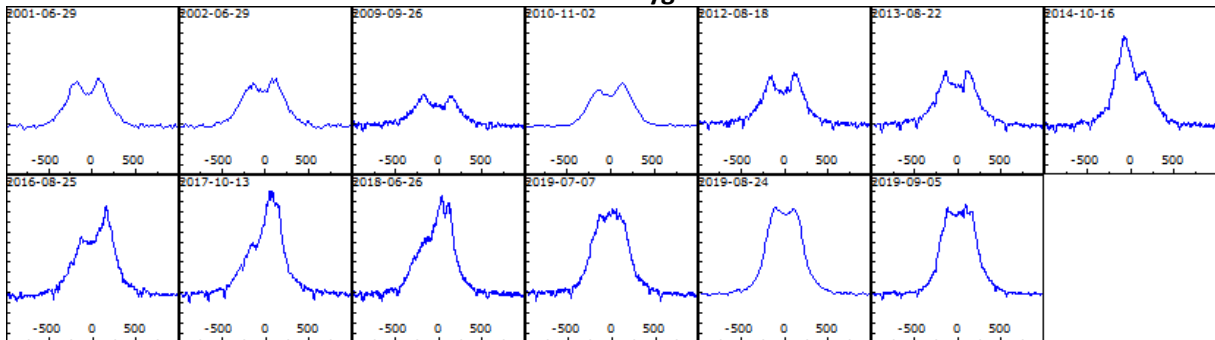
HD 194057



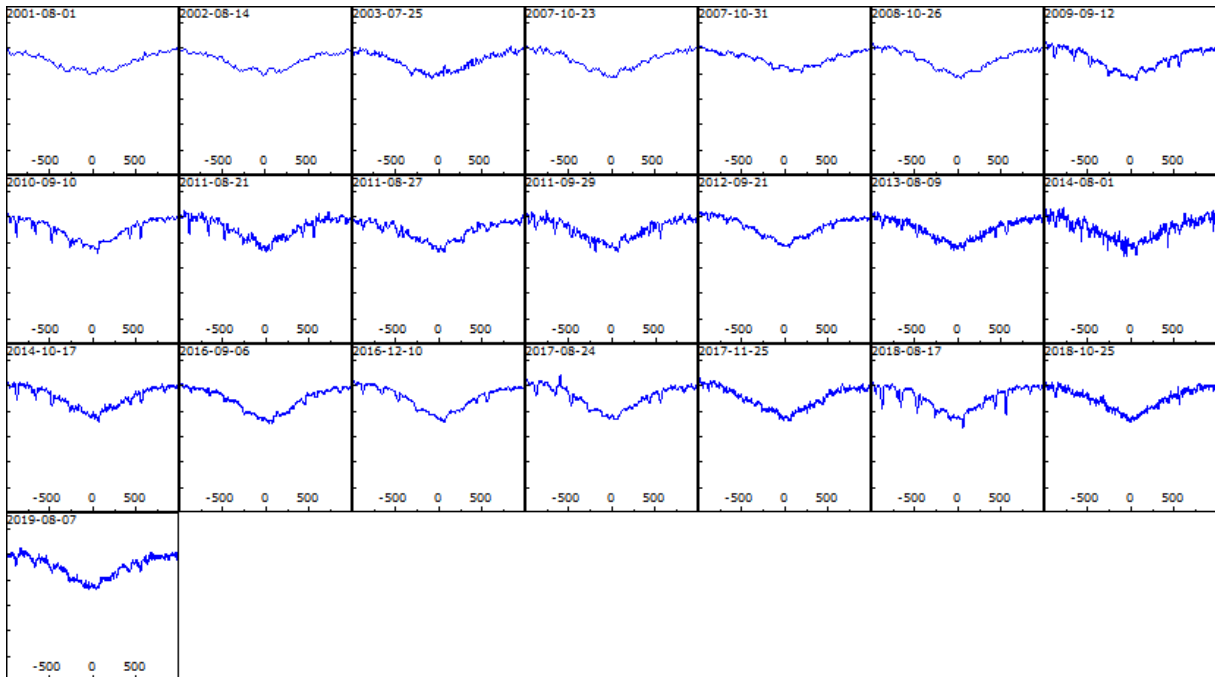
HD 171219



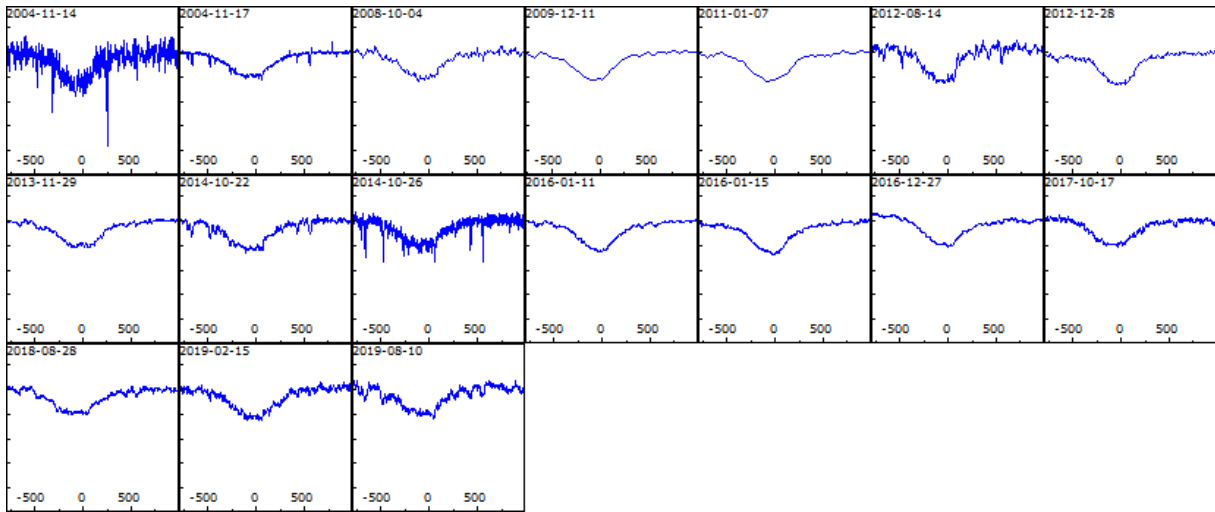
V2162 Cyg



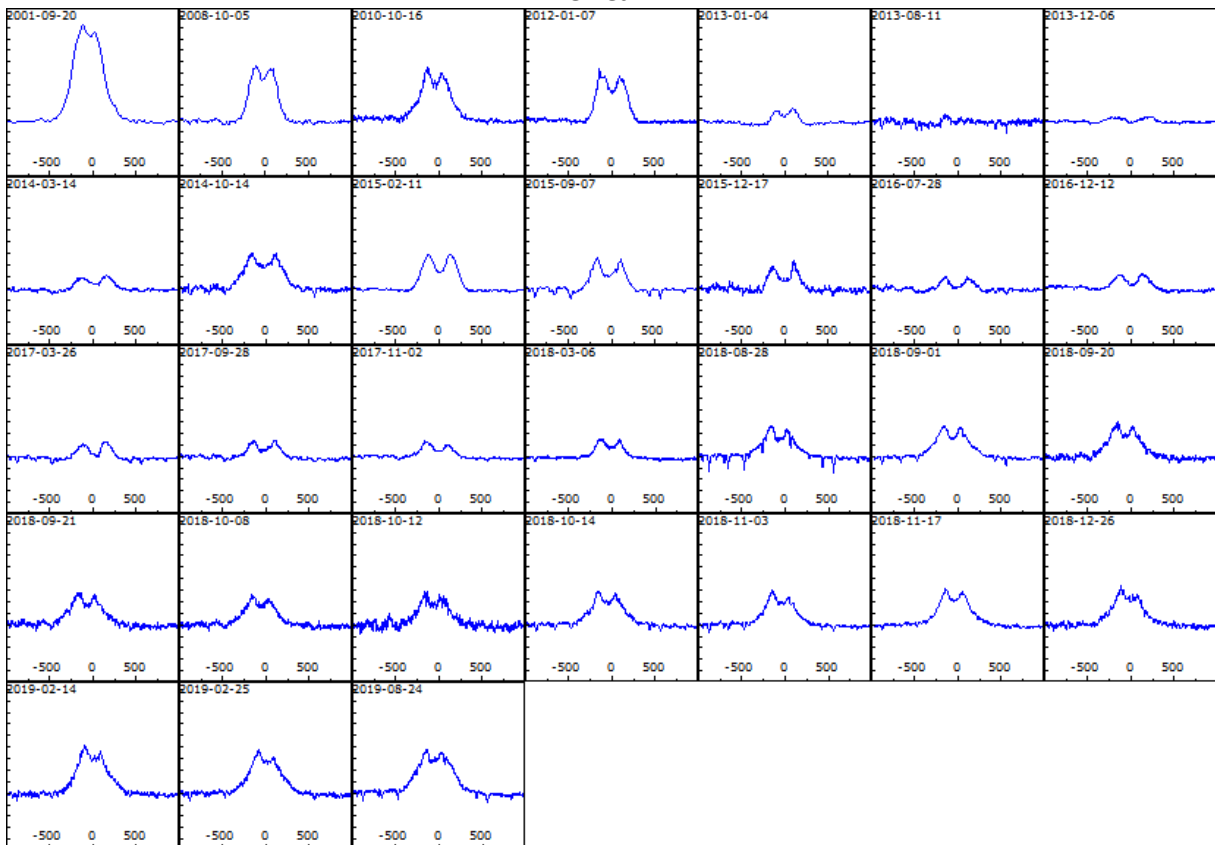
HD 216057



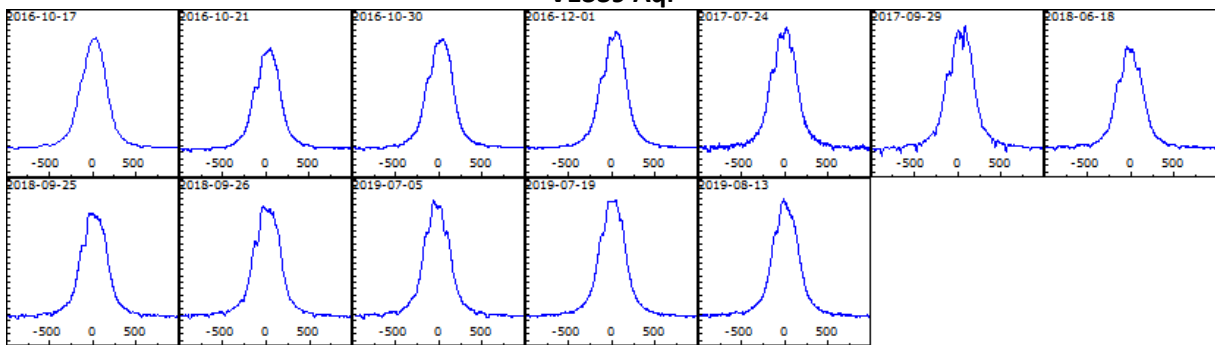
HD 17505



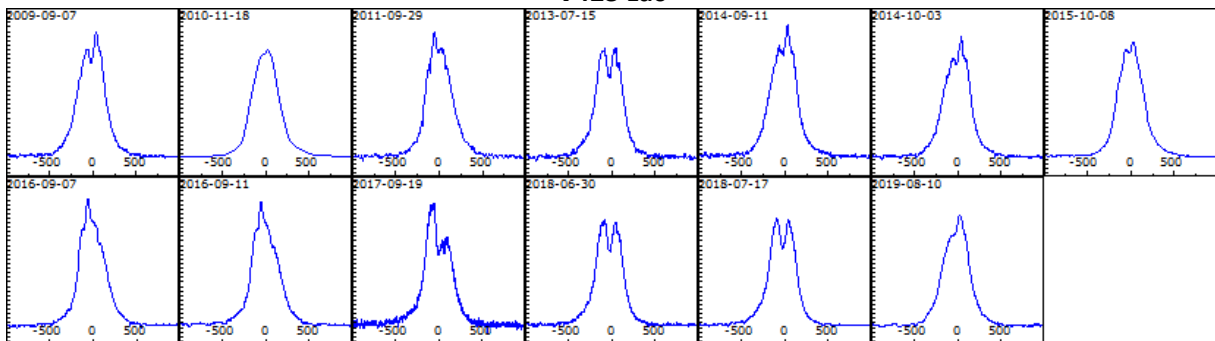
CT Cam



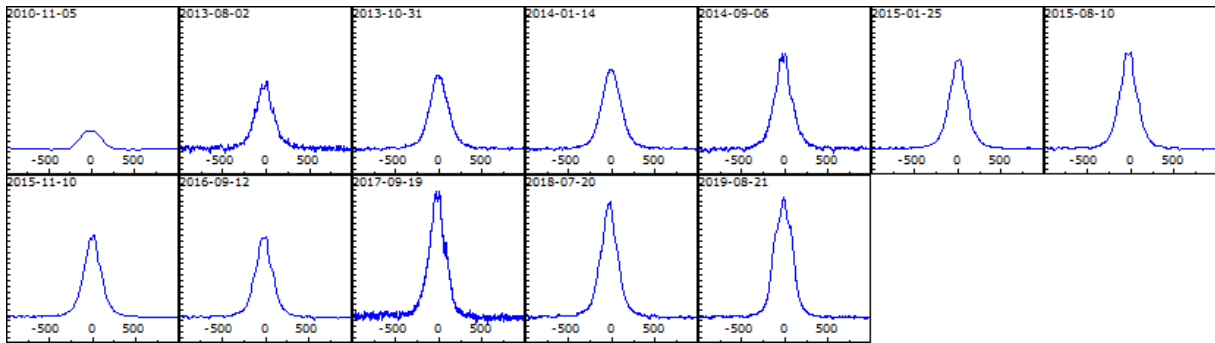
V1339 Aql



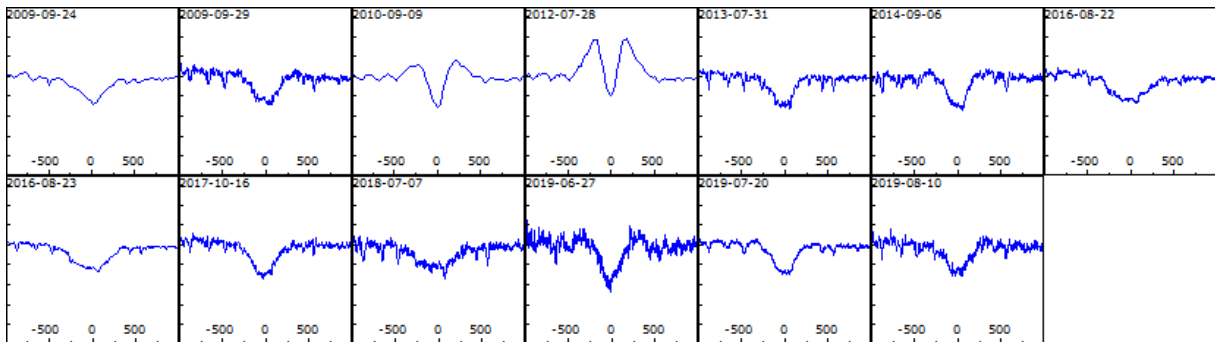
V423 Lac



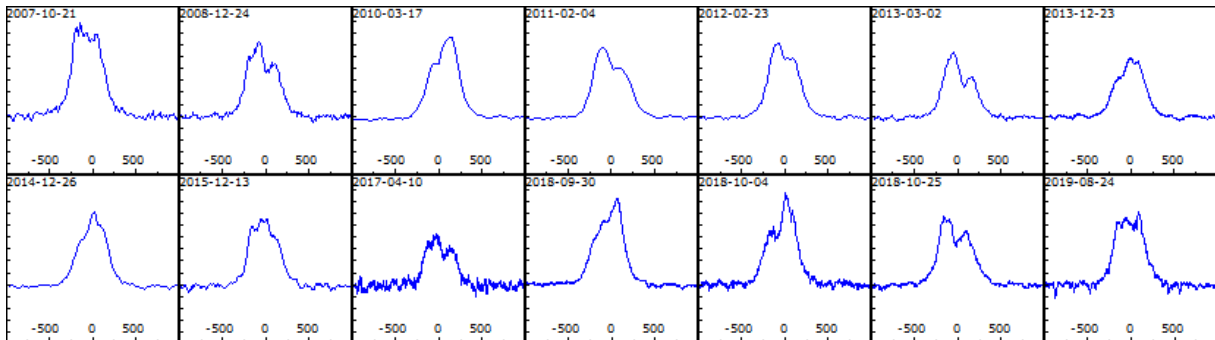
V408 Lac



V396 Vul

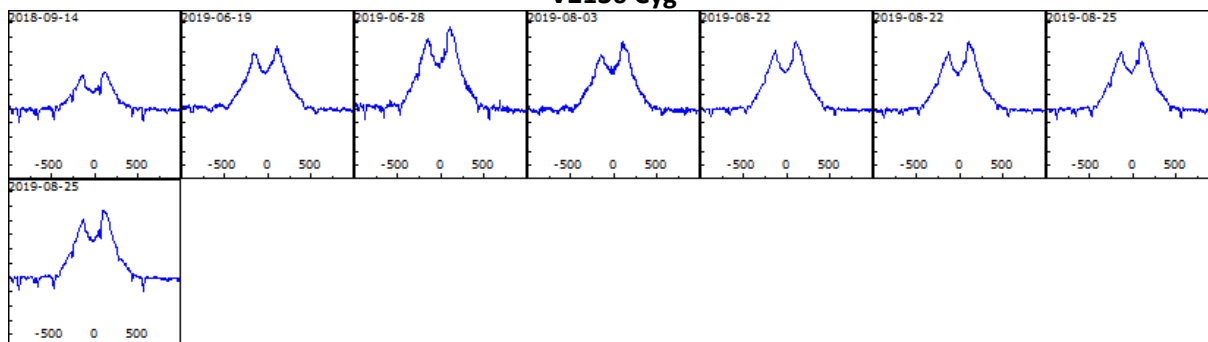


V415 Aur

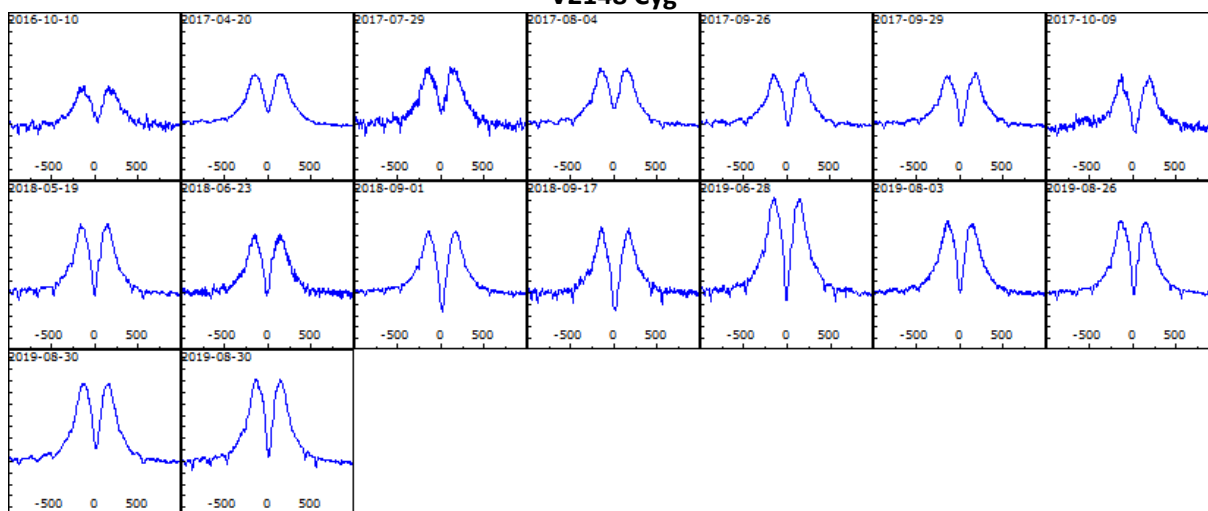


Emission decrease of H-alpha line

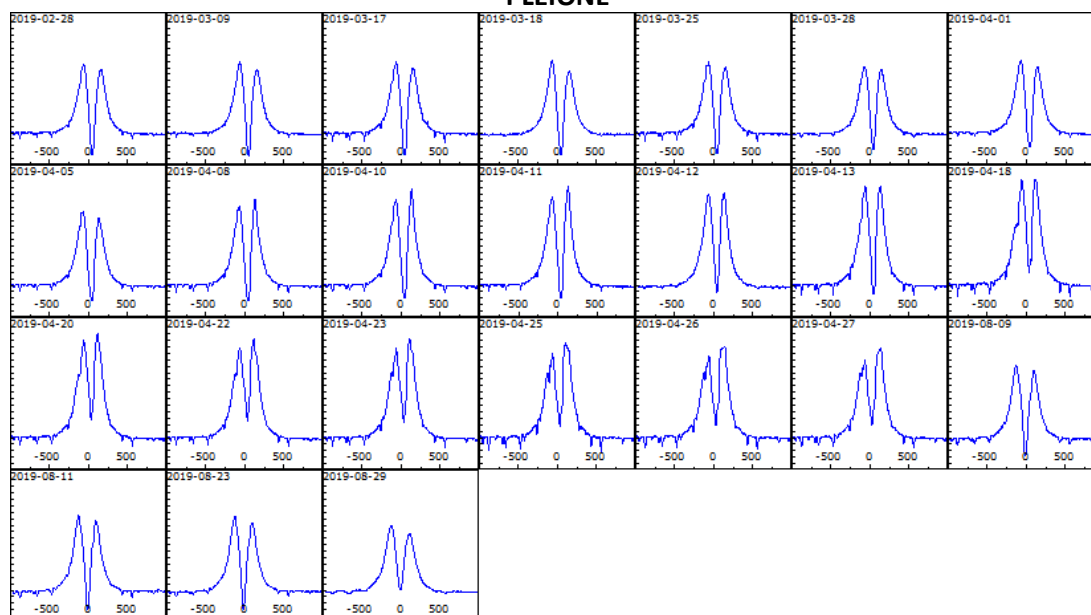
V2136 Cyg



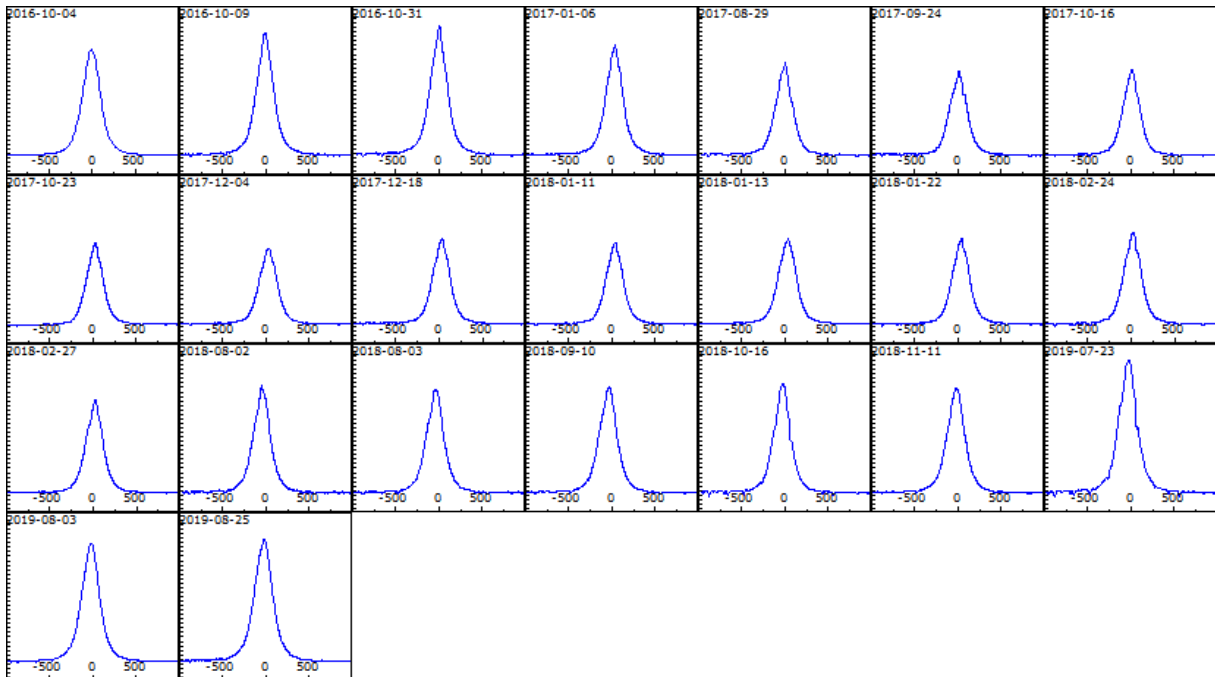
V2148 Cyg



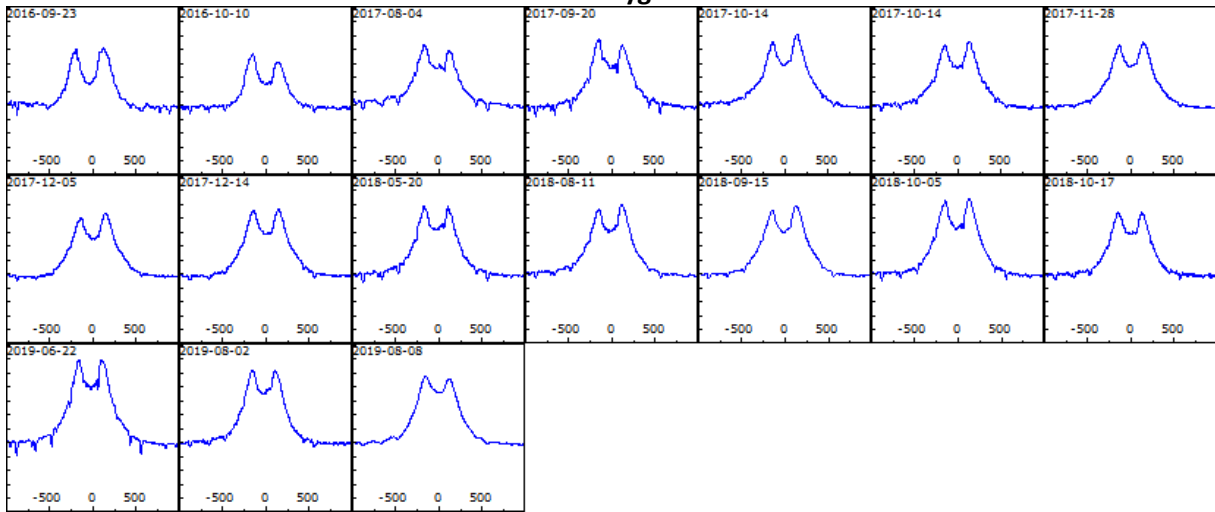
PLEIONE



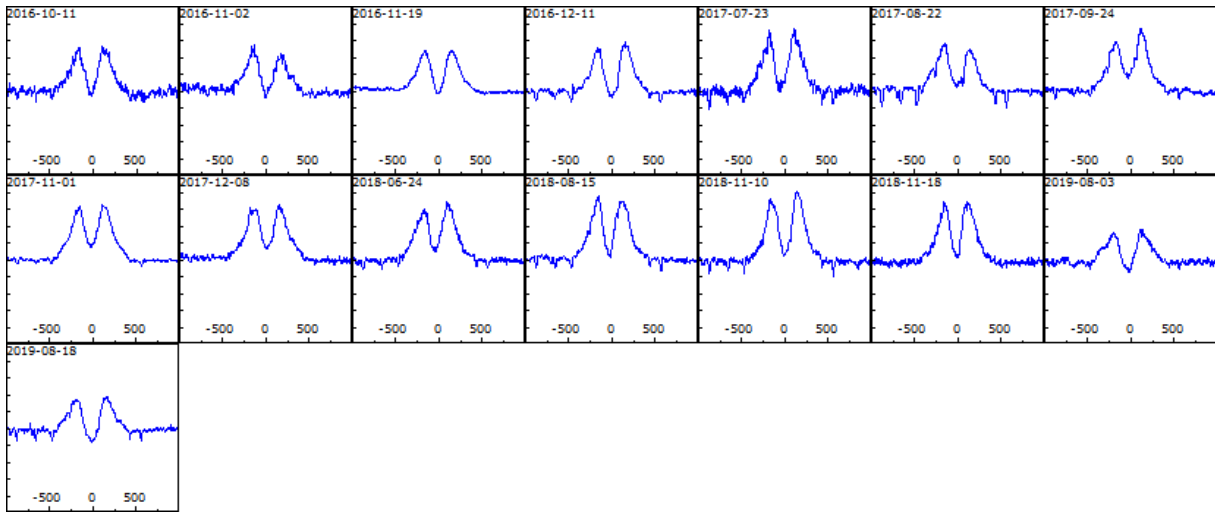
omi Cas



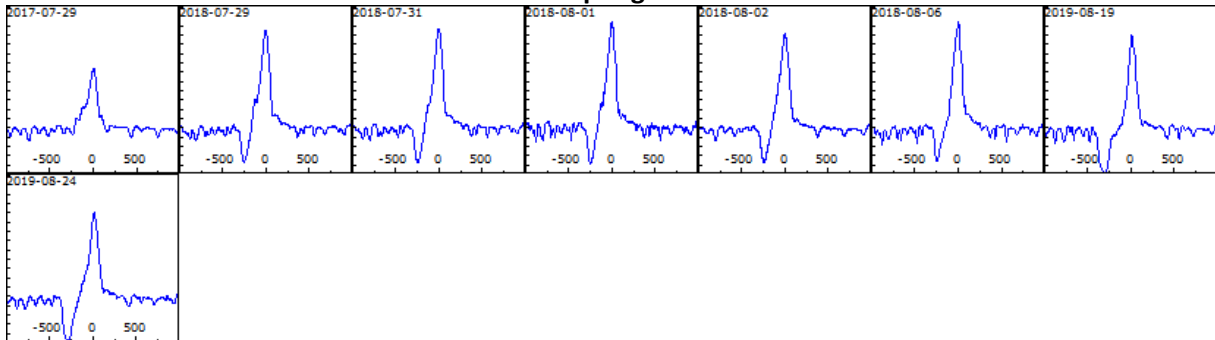
60 Cyg



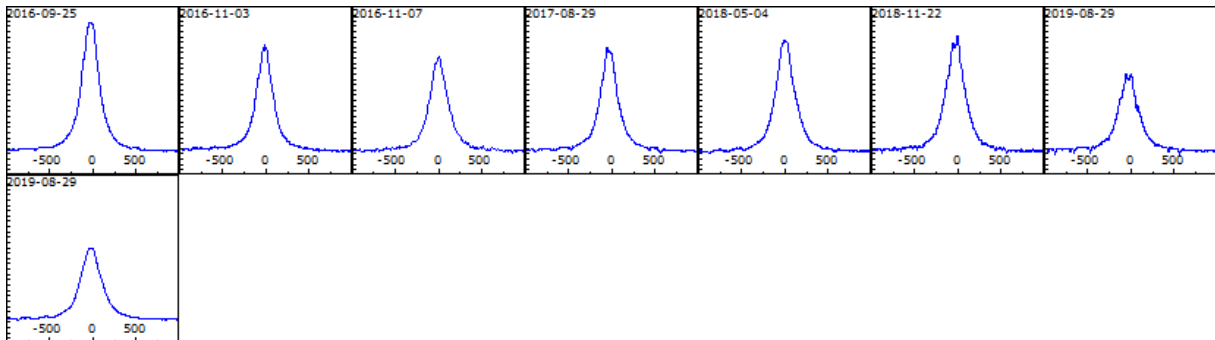
KY And



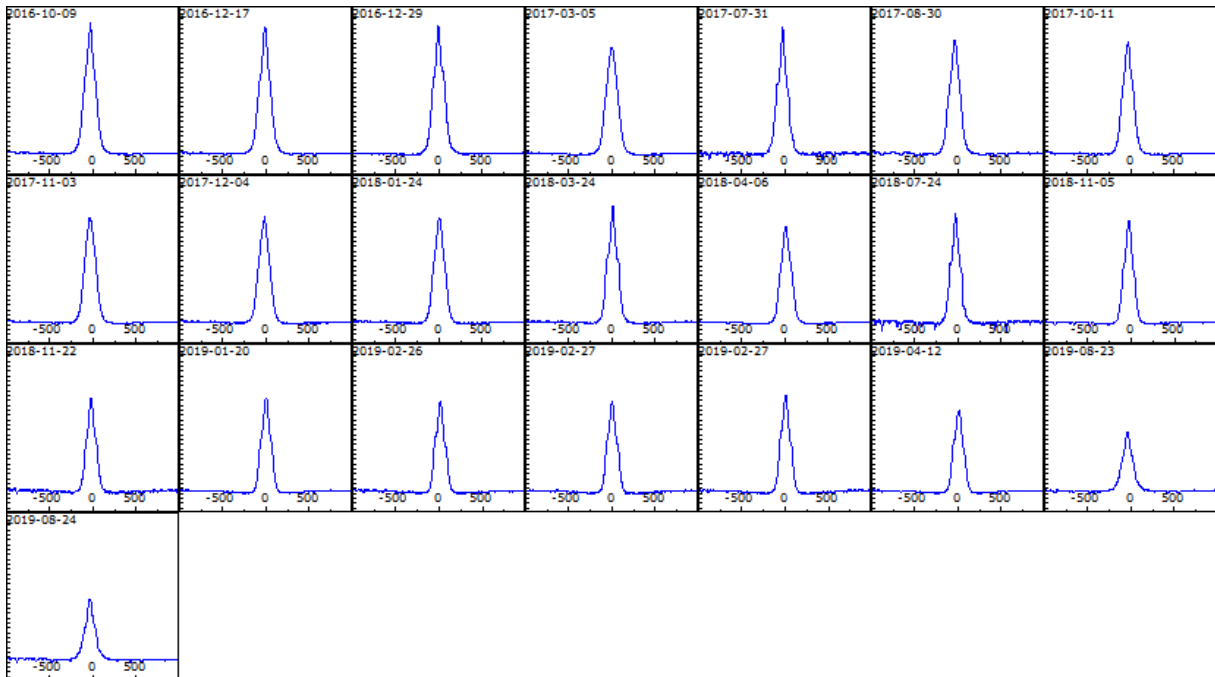
ups Sgr



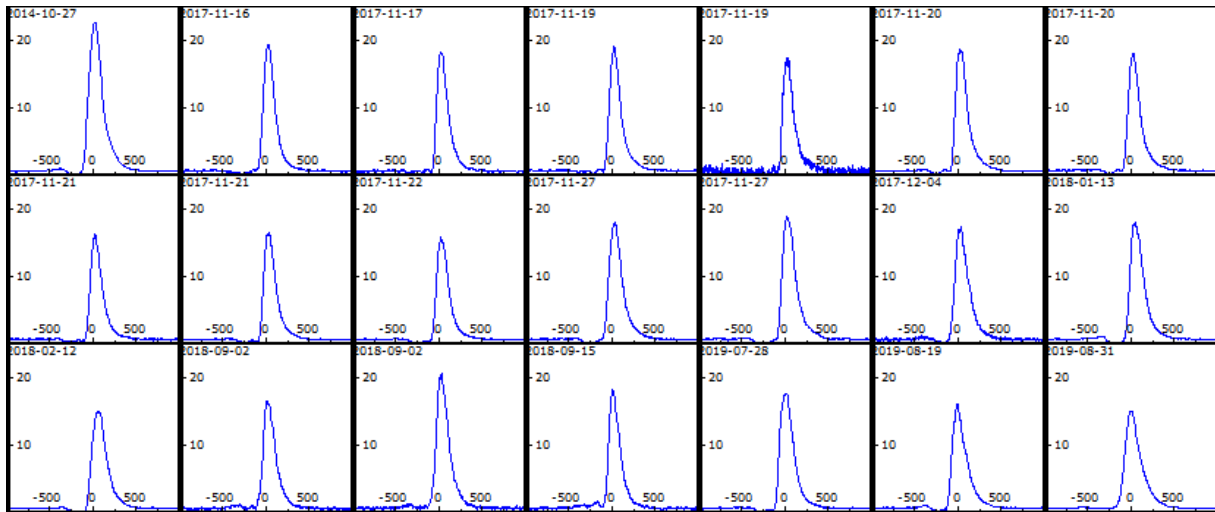
V801 Cas



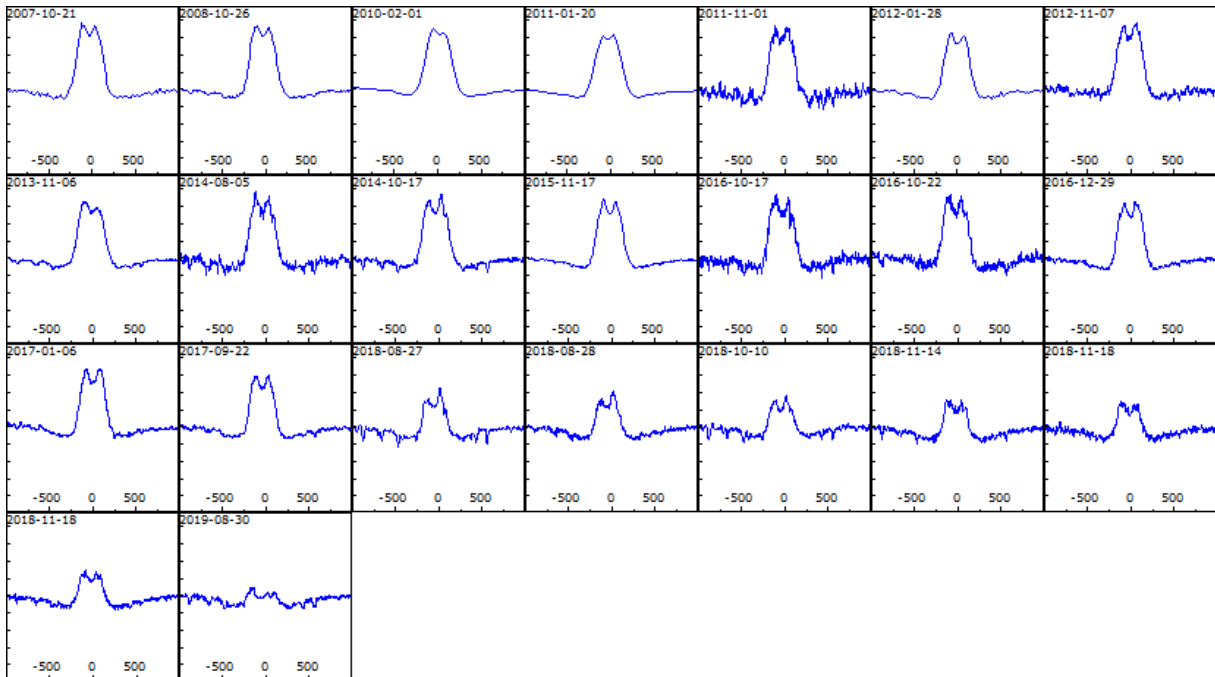
11 Cam



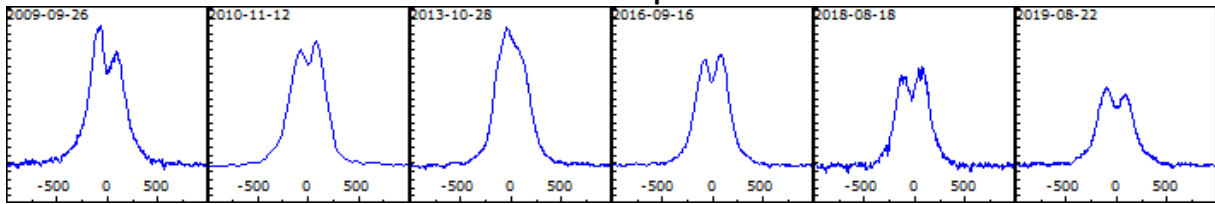
V594 Cas



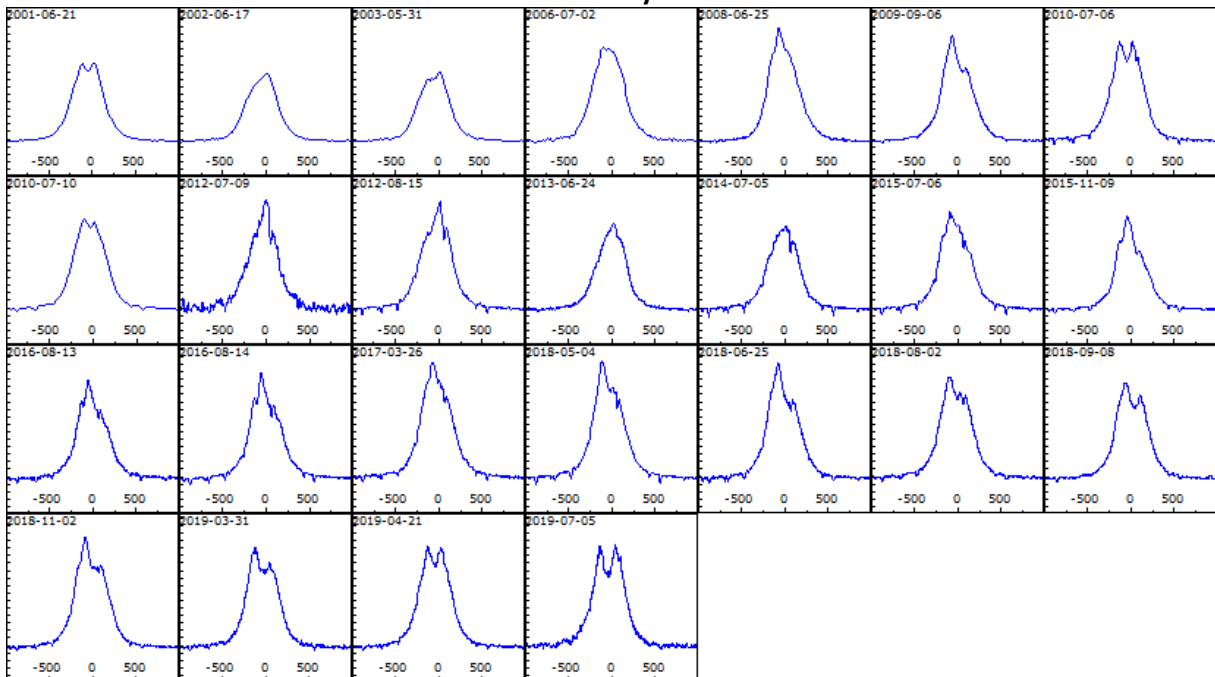
HD 23552



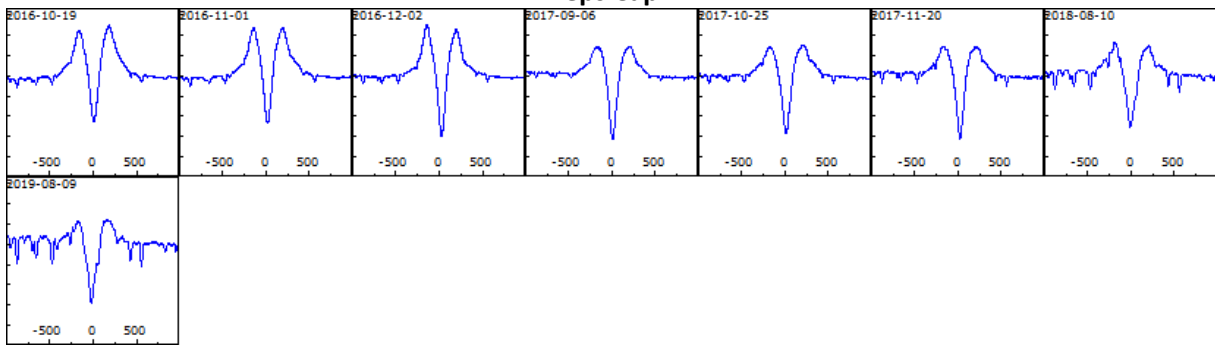
V432 Cep



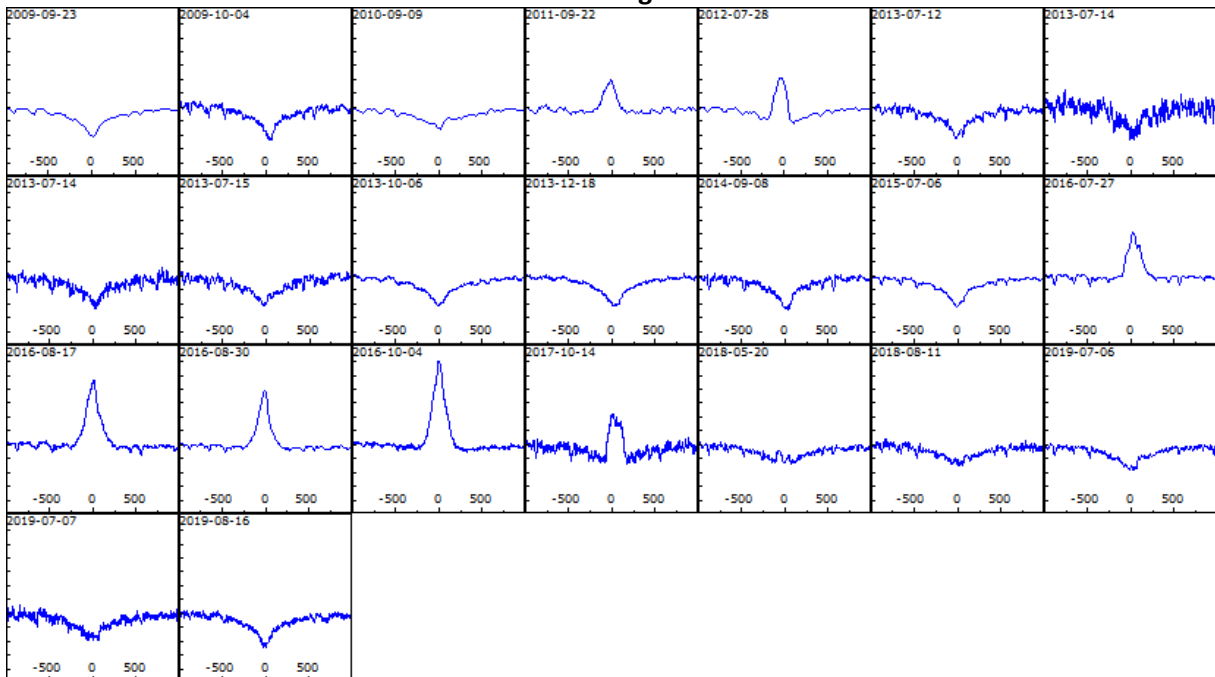
V558 Lyr



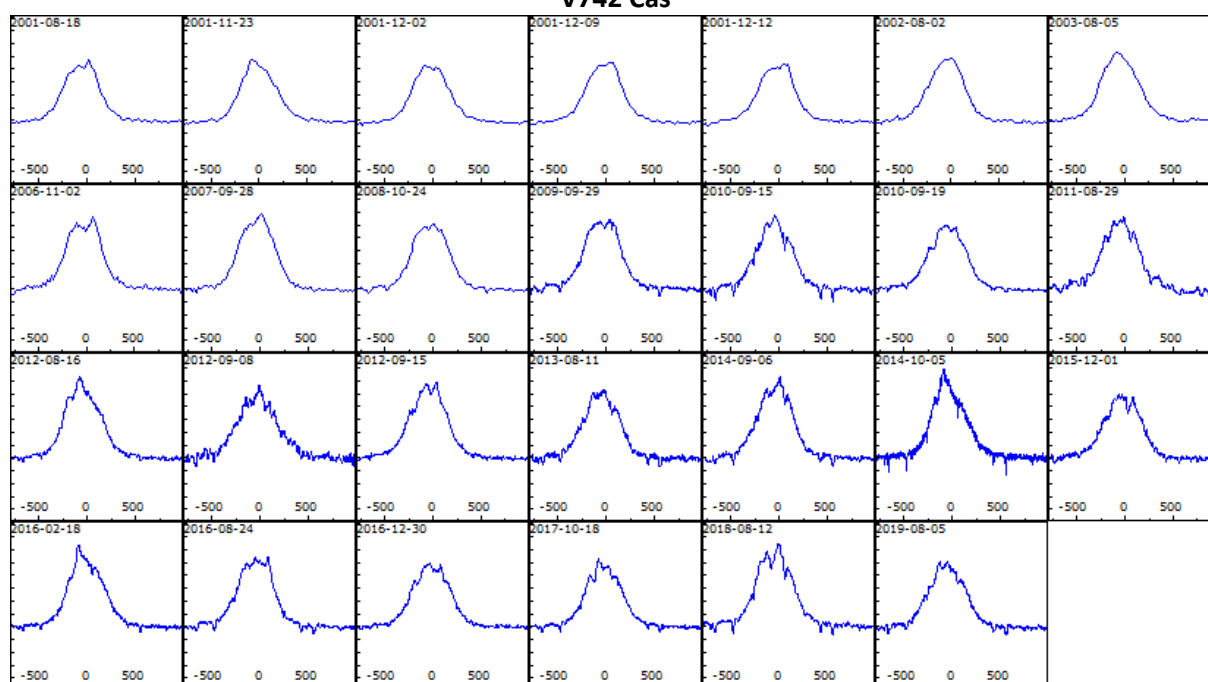
eps Cap



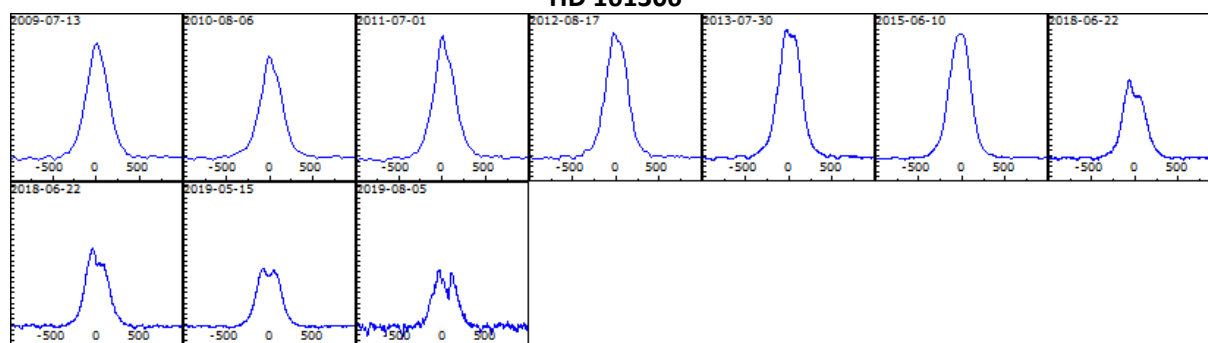
V341 Sge



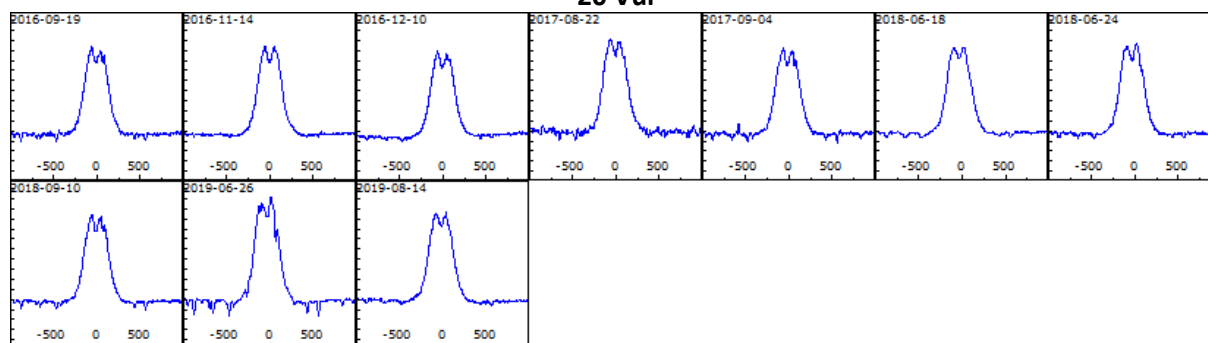
V742 Cas



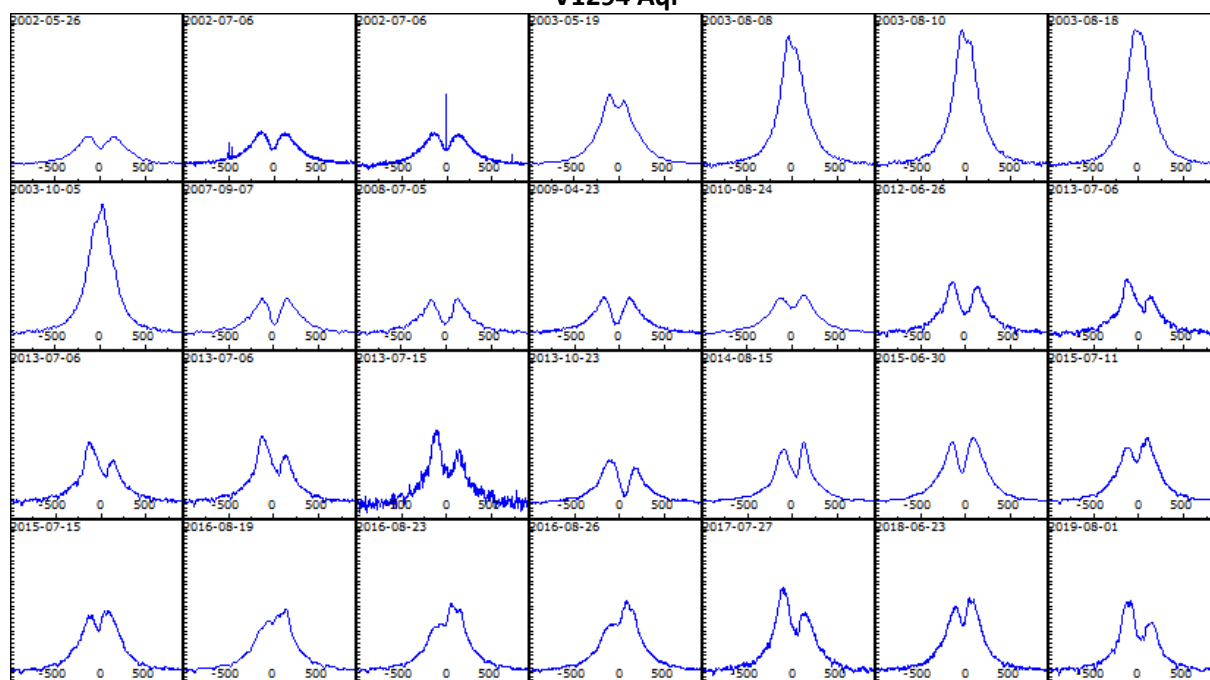
HD 161306



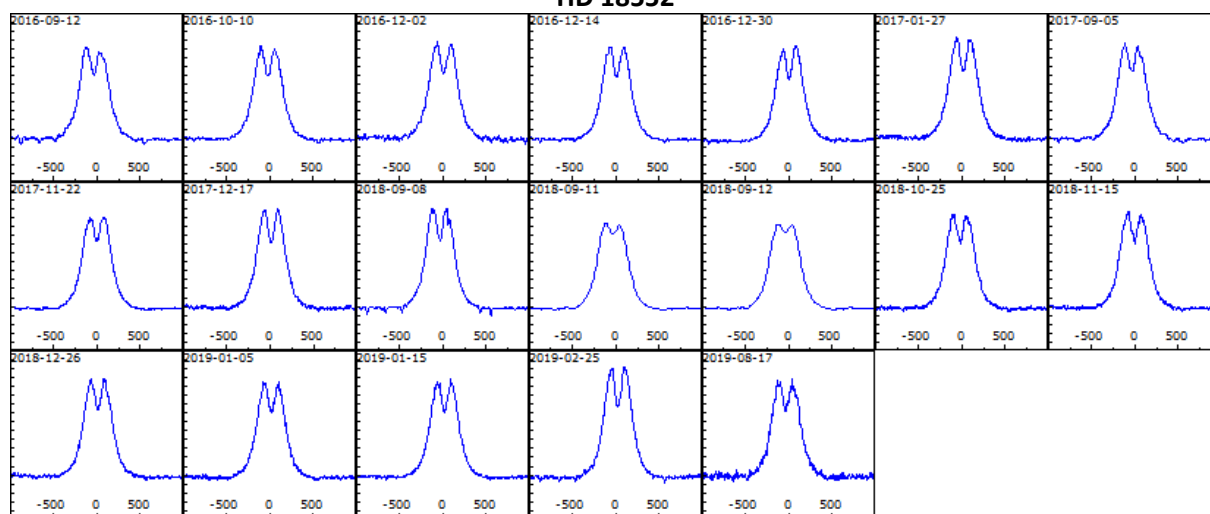
20 Vul



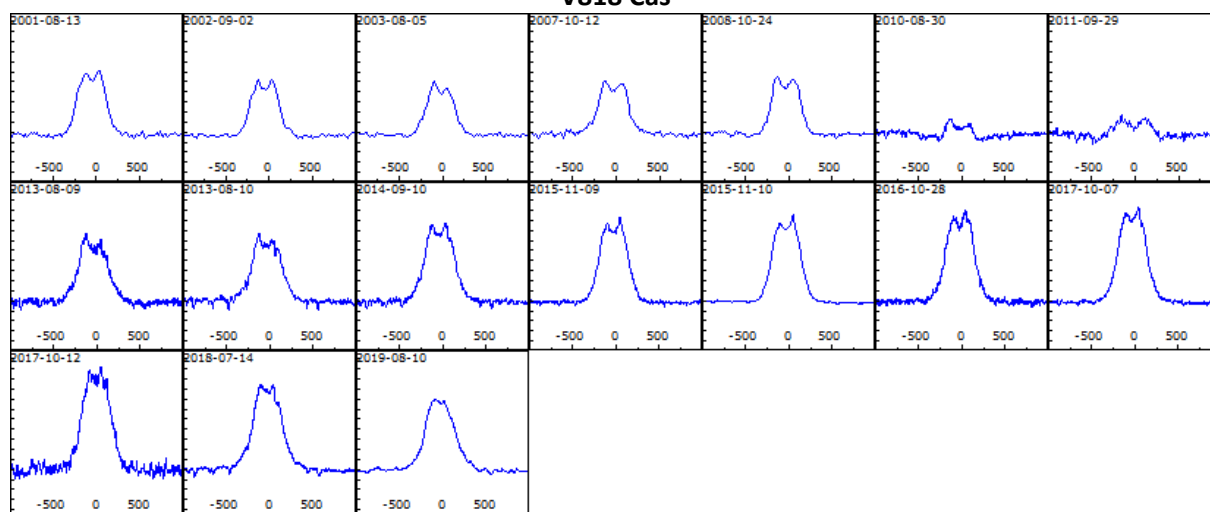
V1294 Aql



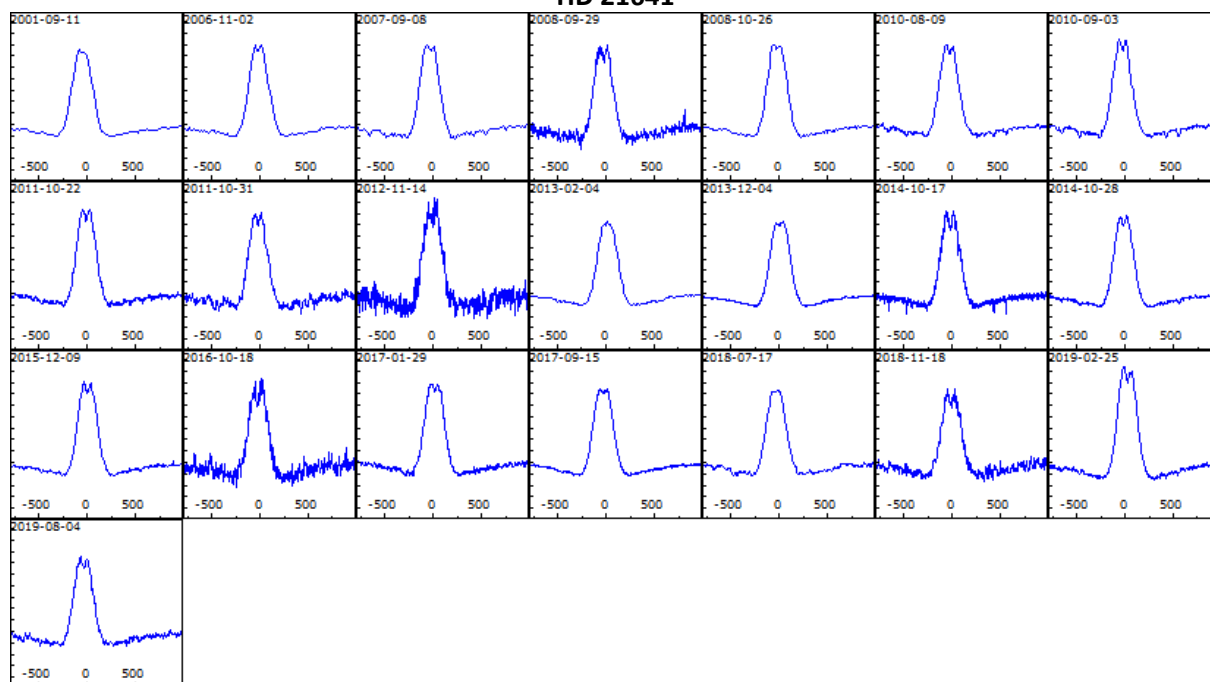
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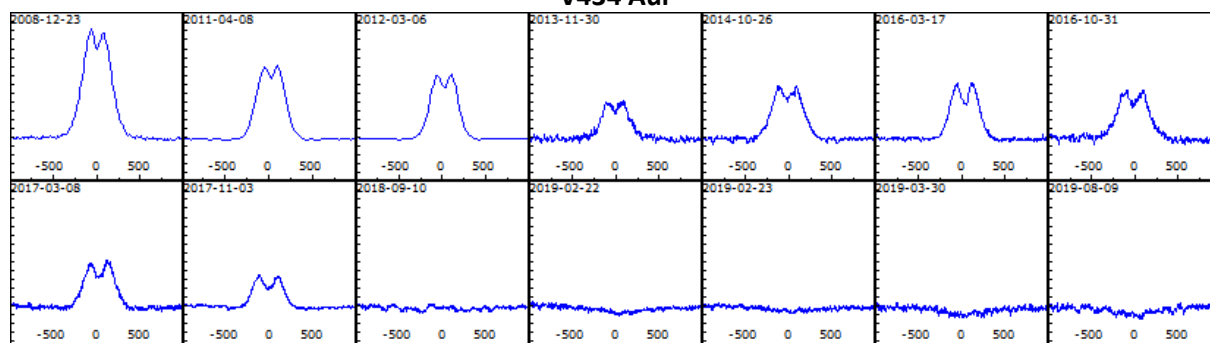
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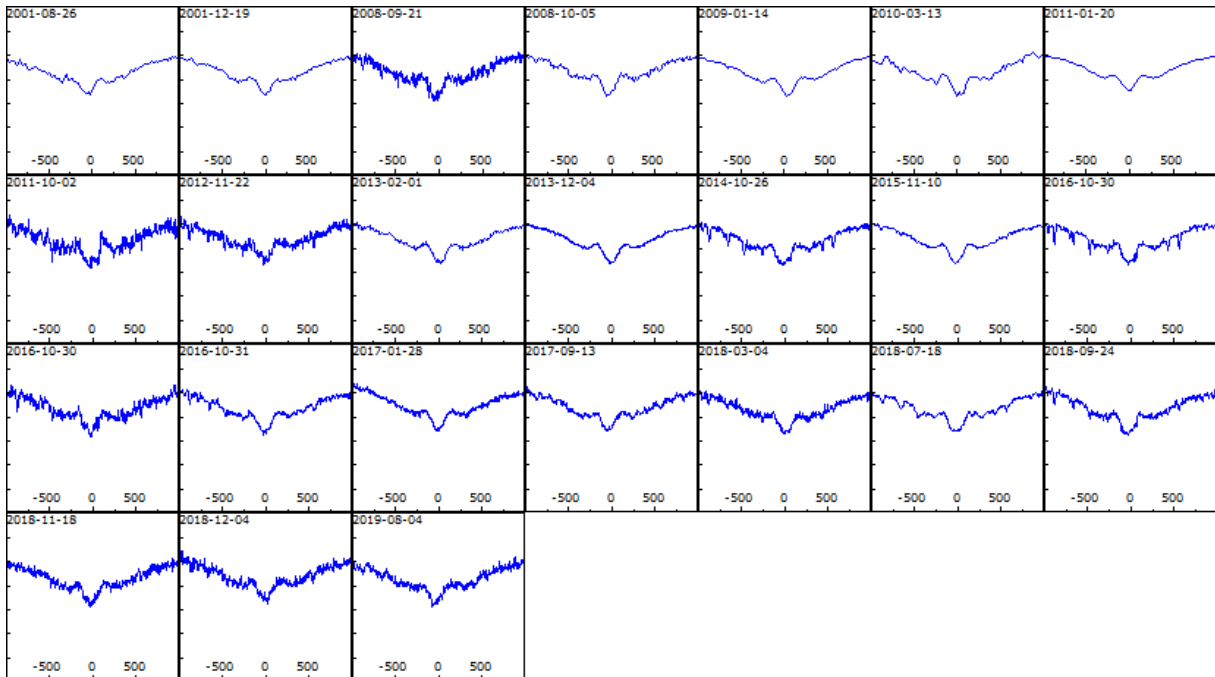
HD 21641



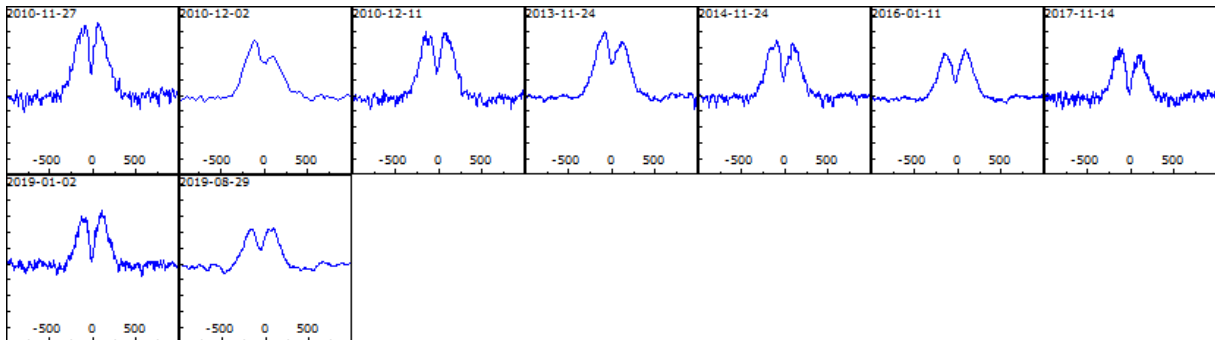
V434 Aur



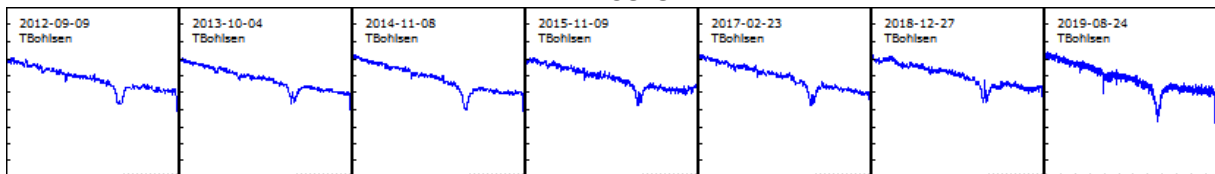
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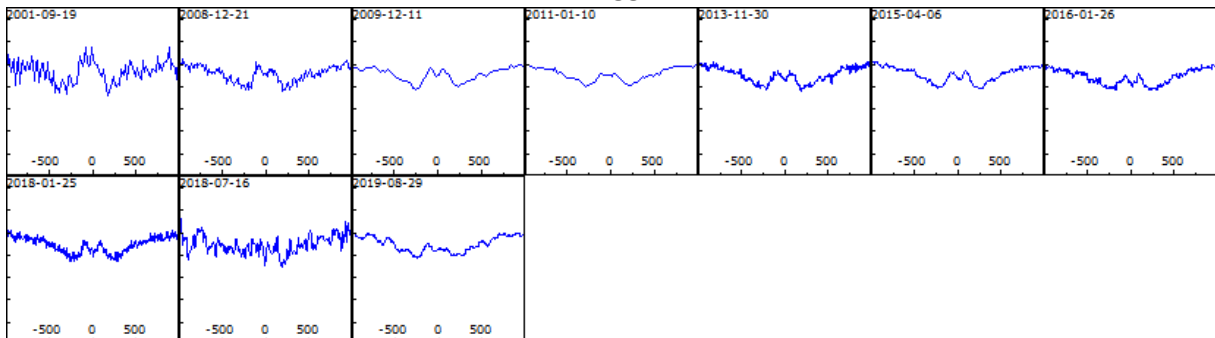
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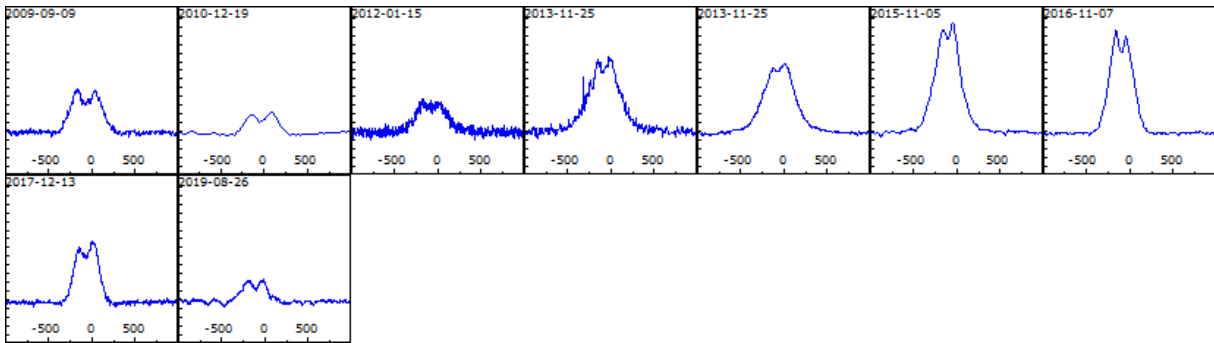
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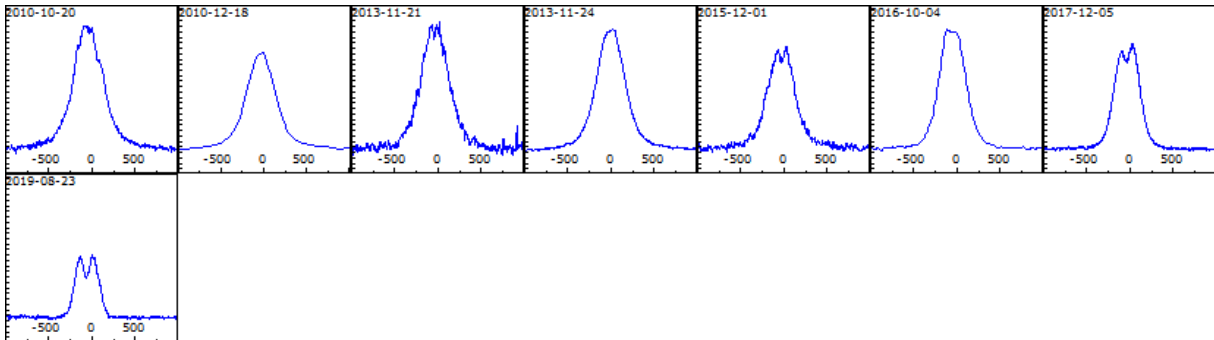
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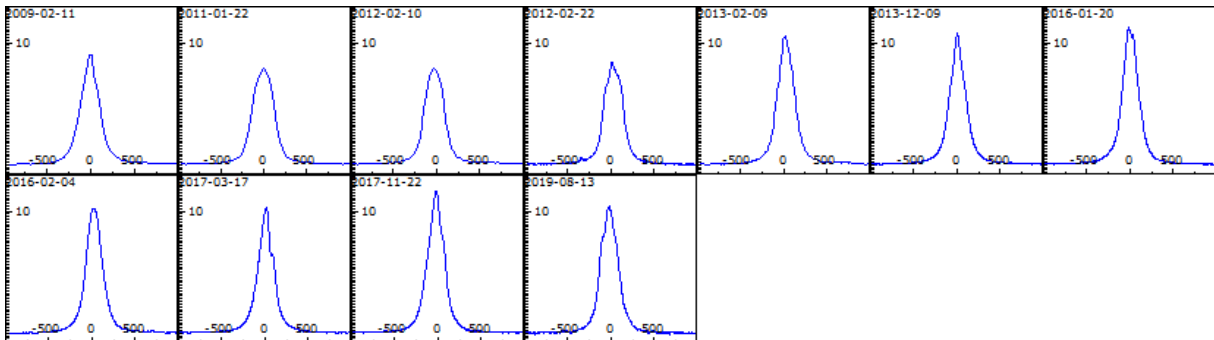
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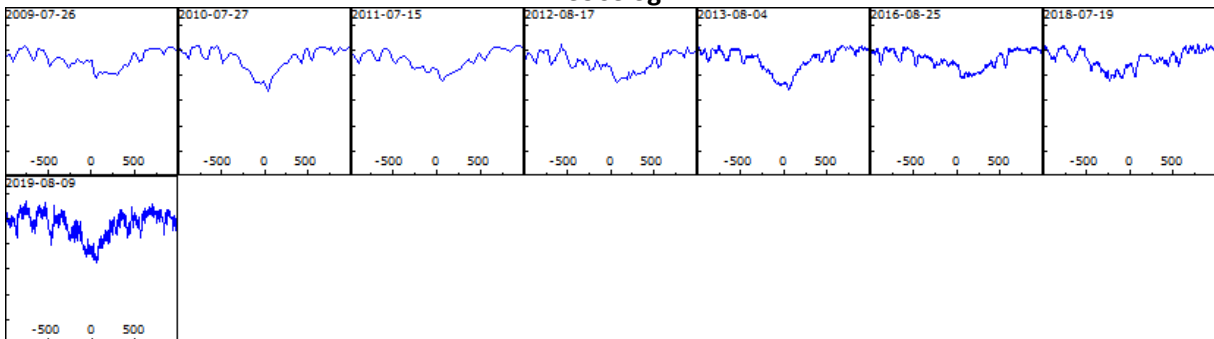
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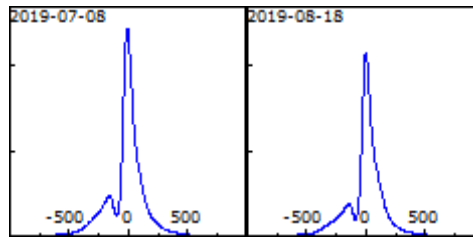
DE Cam



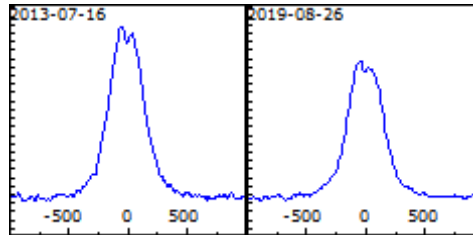
V3903 Sgr



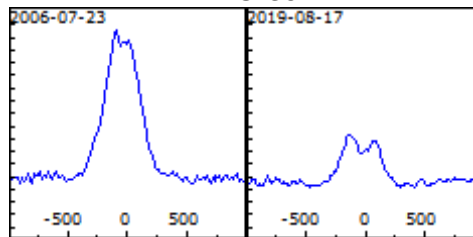
EM* MWC 342



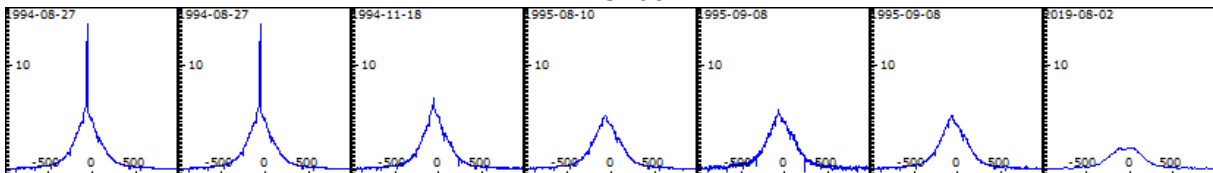
HD 345120



HD 181367



V415 Lac



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/>