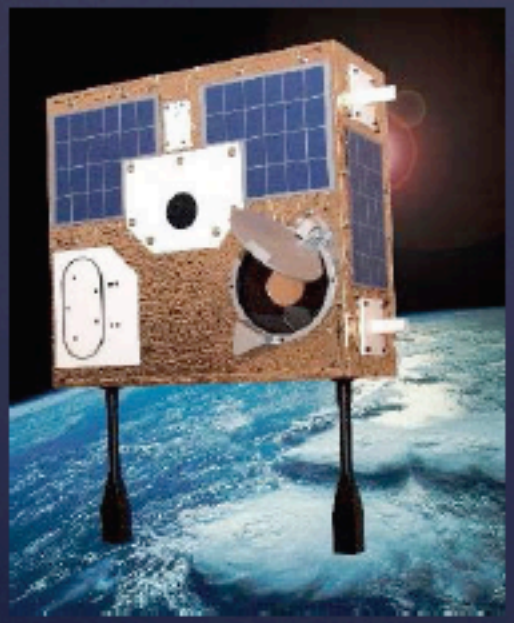
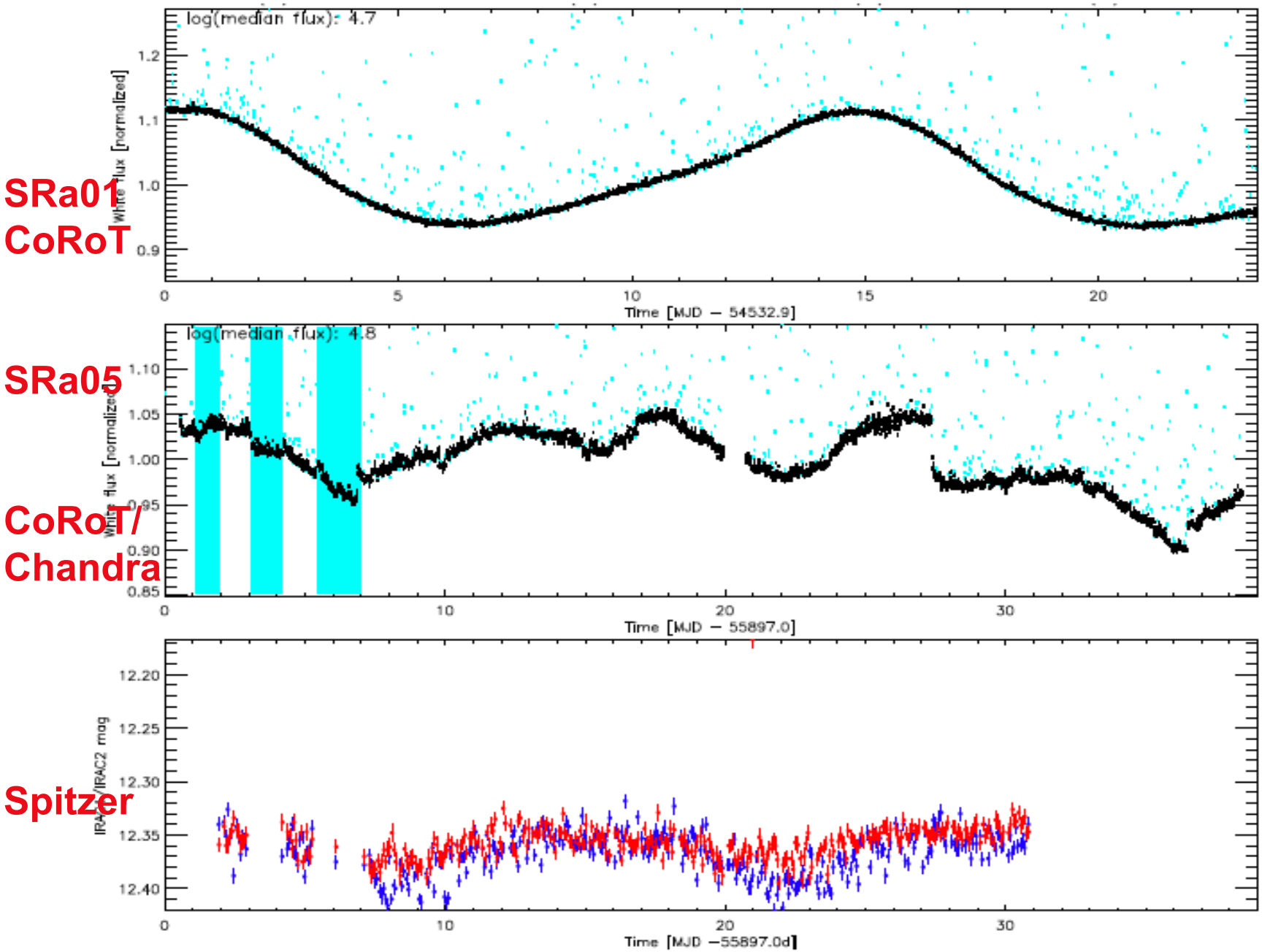
Four space & 15 ground based telescopes:

- Spitzer: 30d @ 3.6, 4.5 μm
- CoRoT: 40d
- Chandra/ACIS: 300ks
- MOST: 40d
- VLT/Flames: ~20 epochs
- Ground-based monitoring

U-K bands: ~3 months



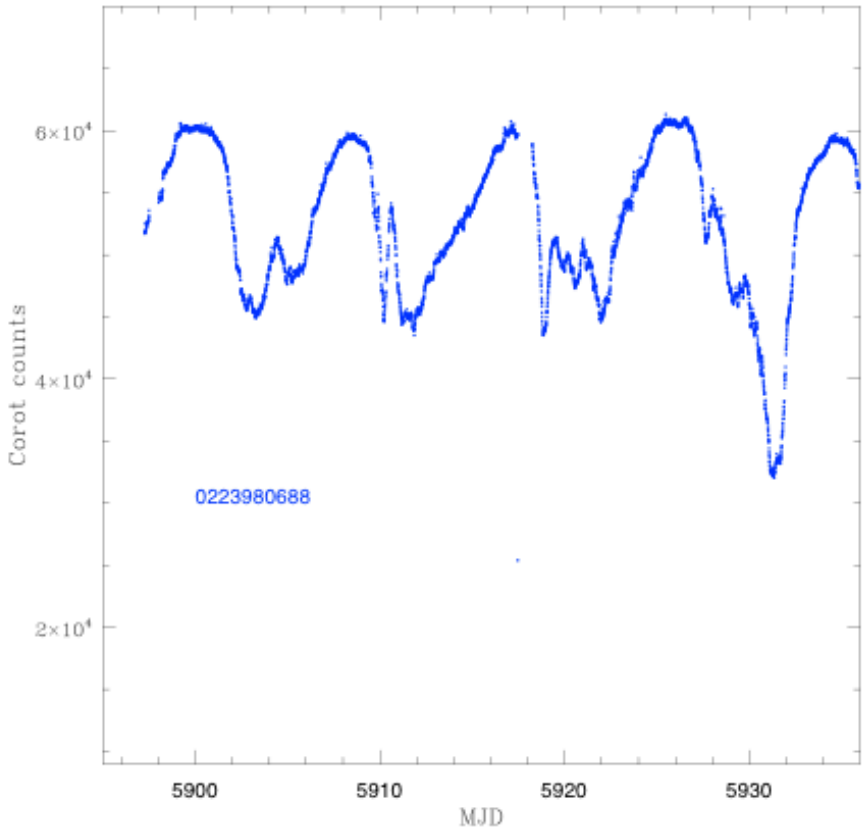


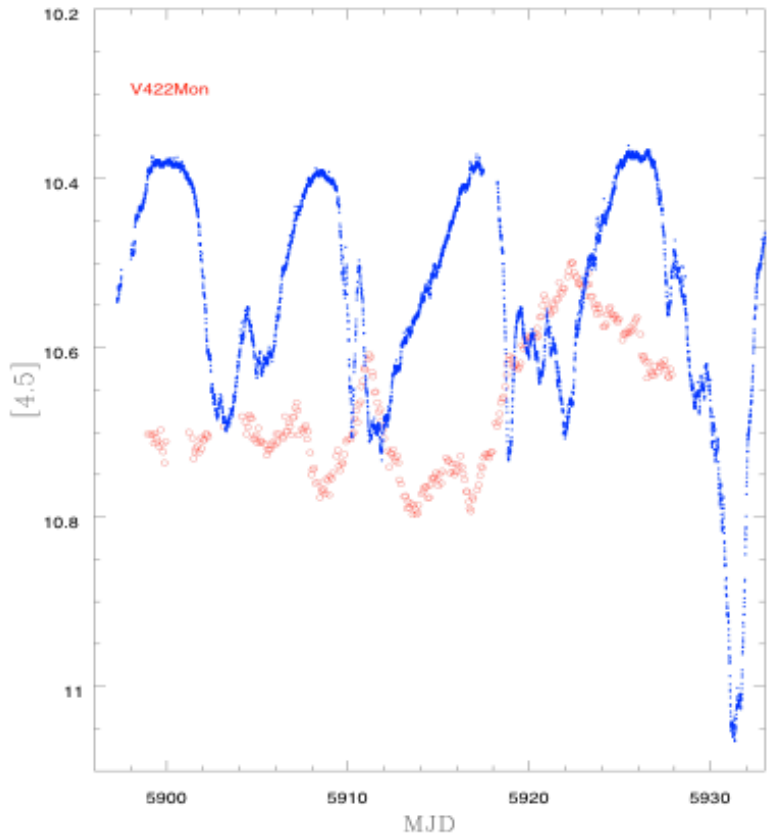
CoRoT ID: 0223976099

SRa01 CoRoT / SRa05 CoRoT + Spitzer

Example: V422 Mon (CID 223980688) K3 – observed in Field 1 (20 observations

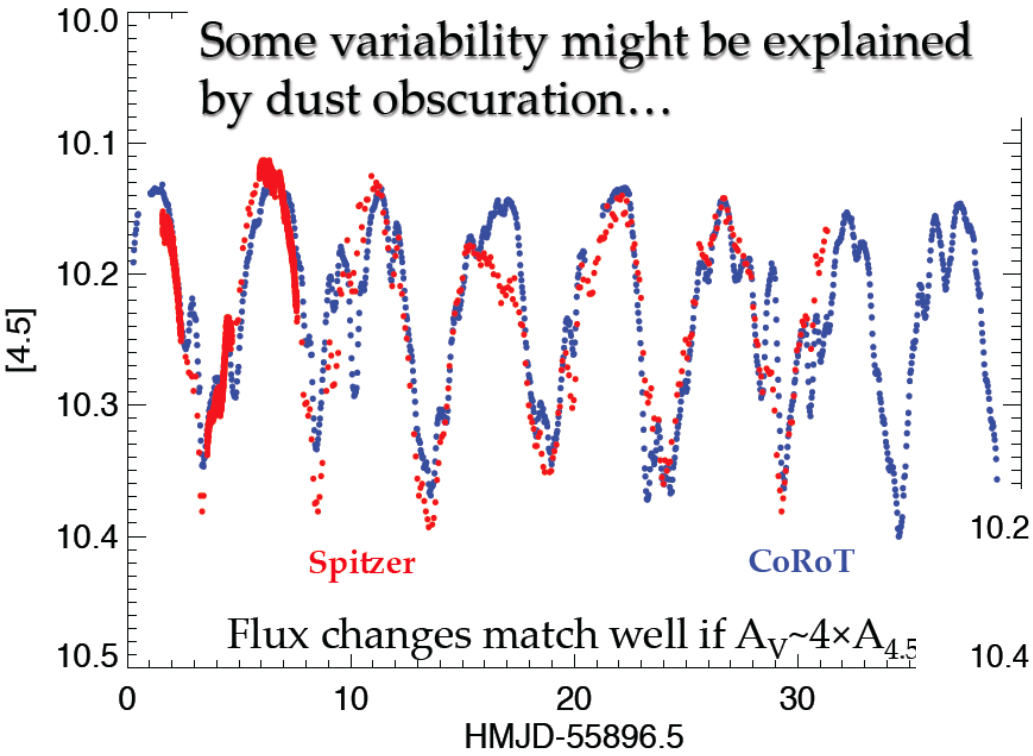
AA Tau-like light curve in SRa01 and SRa05.
Period of 8.93 days in SRa05.

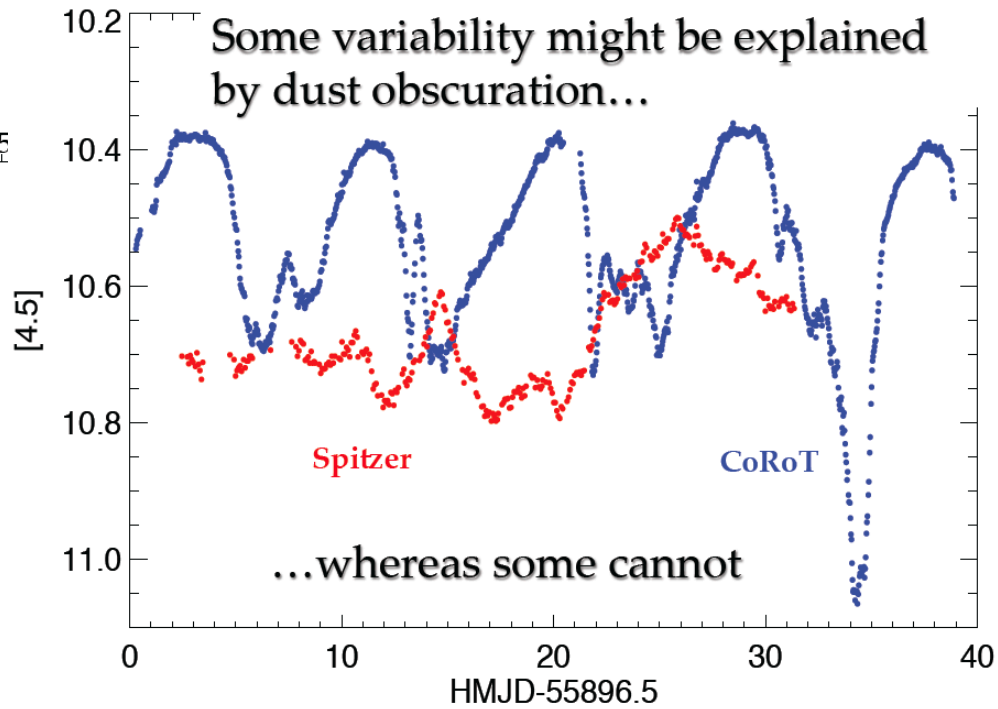




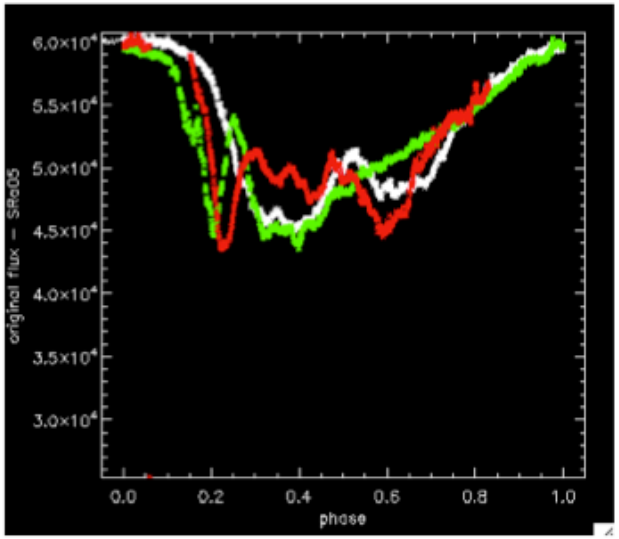
The full scale for both plots is 0.9 mag (labeling is for IRAC).

CoRoT / Spitzer

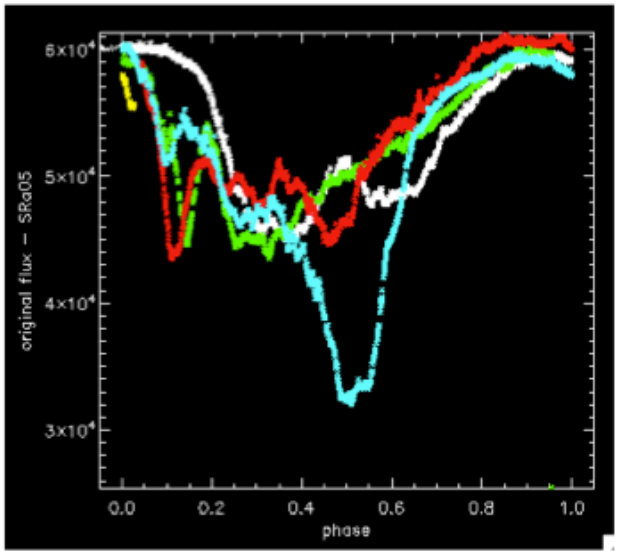




AA Tau stars: CoRoT



SRa05 LC of V422 Mon folded in phase with a period of 8.46 days (only the first 3 minima).

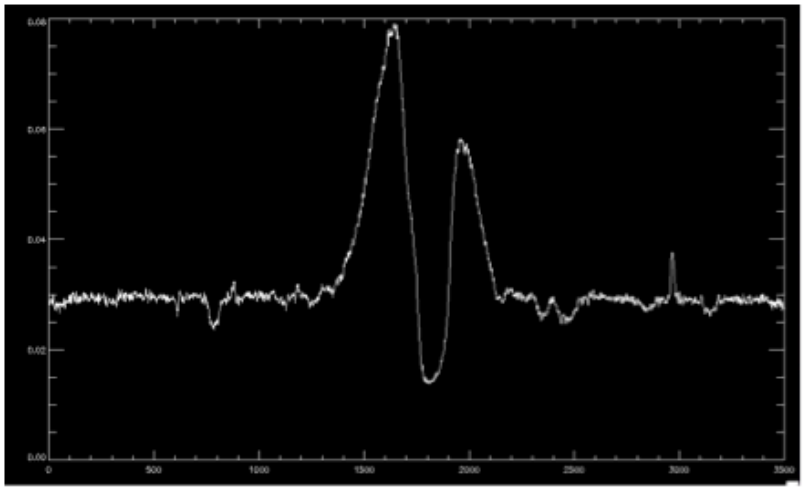


SRa05 LC of V422 Mon folded in phase with a period of 8.93 days (all the data).

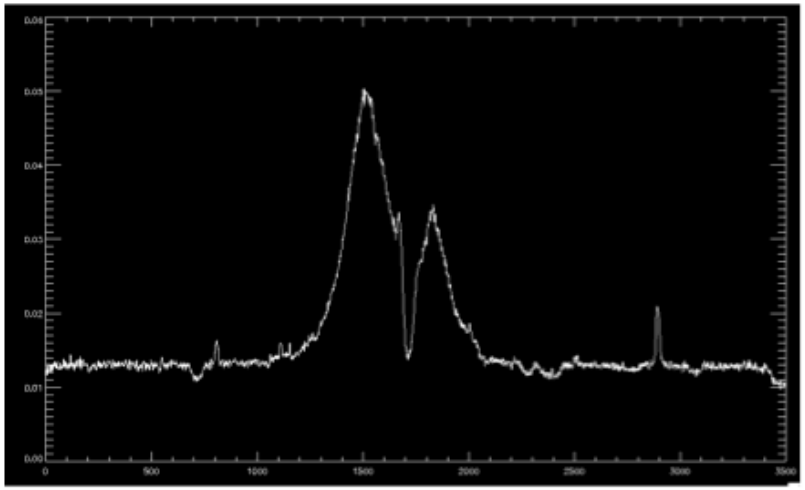
The period determination with the AA Tau-like LCs is a bit uncertain.

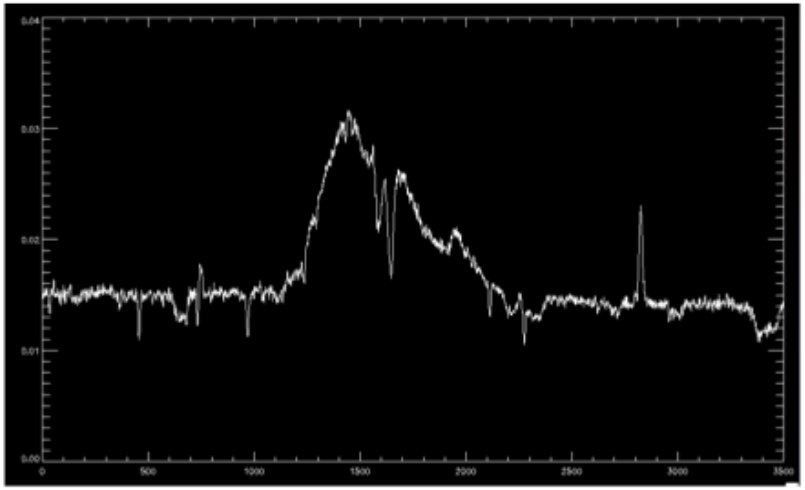
FLAMES

Example: CID 223980264 - Mon-000774 - AA Tau-like LC with p=3.5 days

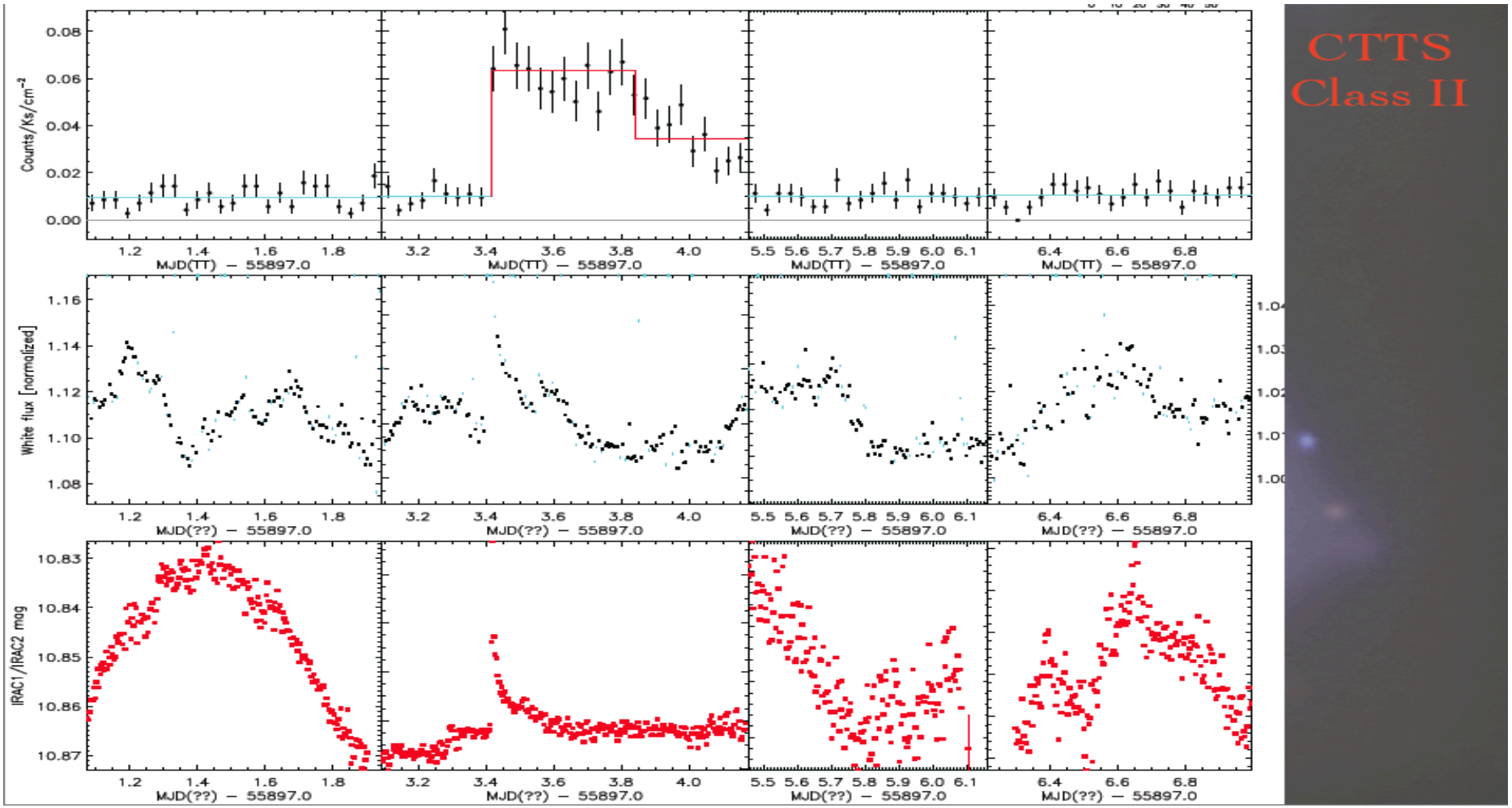


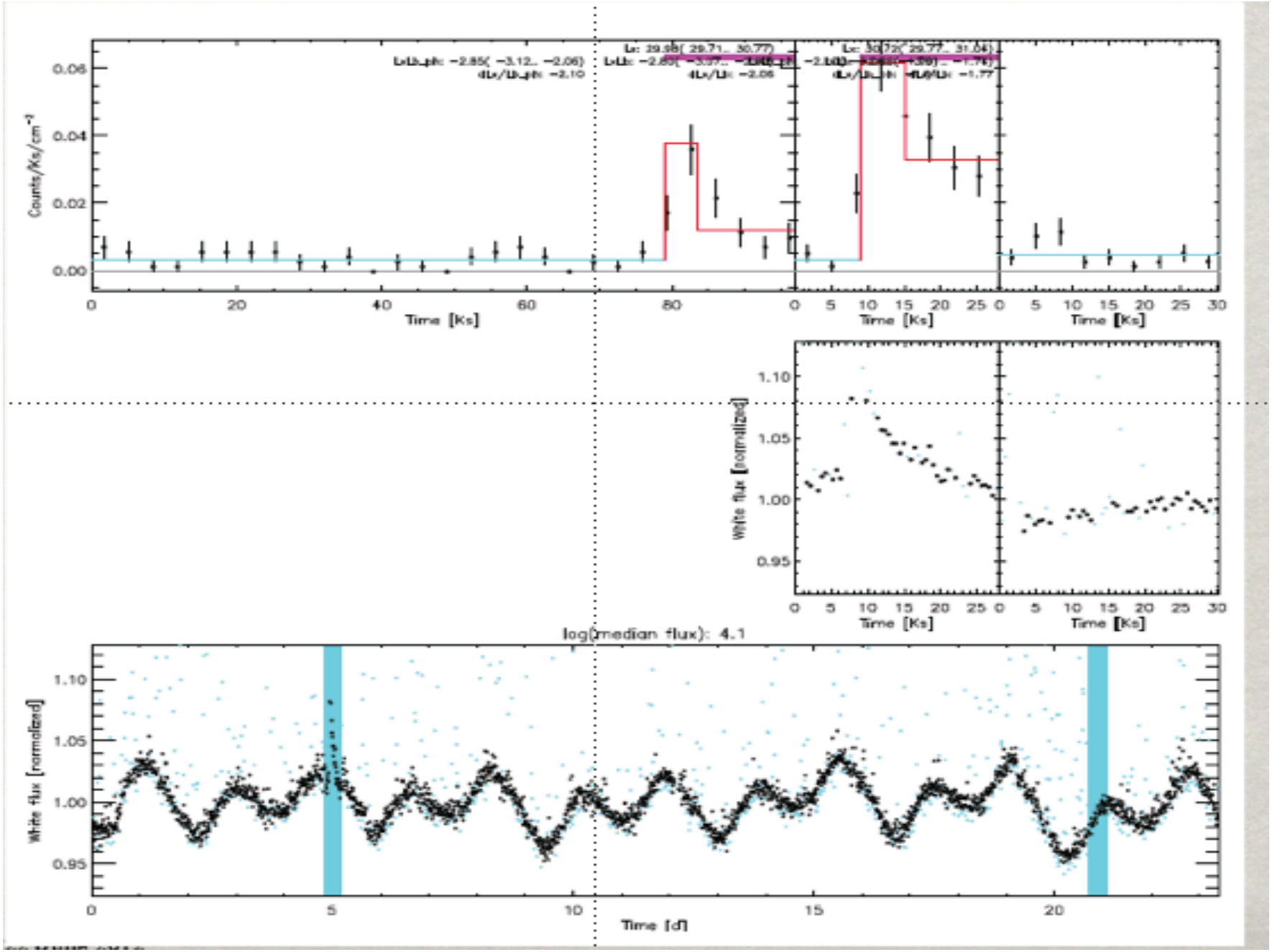
Strongly variable Hα line.





Flares: CoRoT / Chandra




Counts/Ks/cm⁻²
Time [Ks]
White flux [normalized]
log(median flux): 4.1
Time [d]

MOST & Spitzer, CoRoT, Chandra

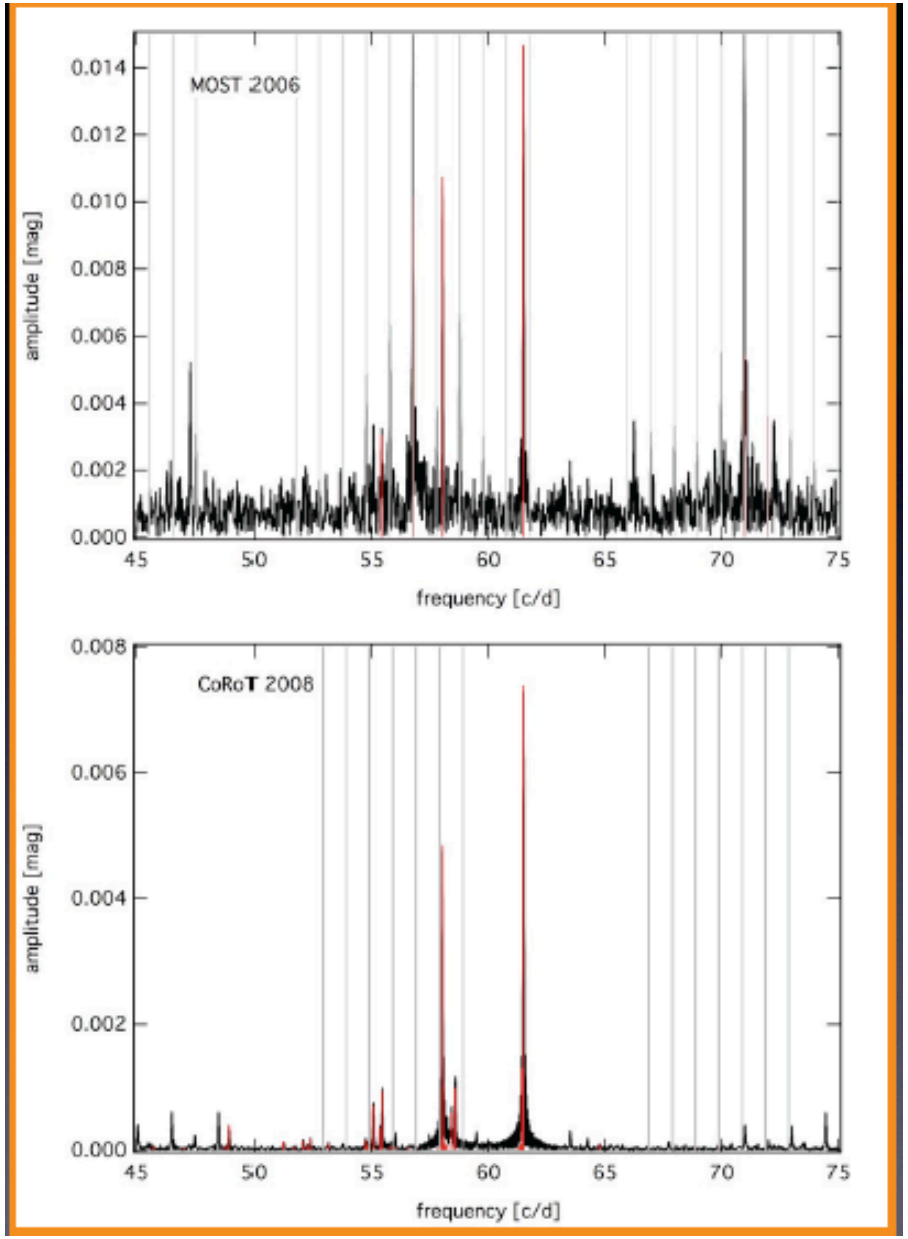
- MOST & Spitzer: 35 stars in common
  - mapping & staring (see also Wiki pages)

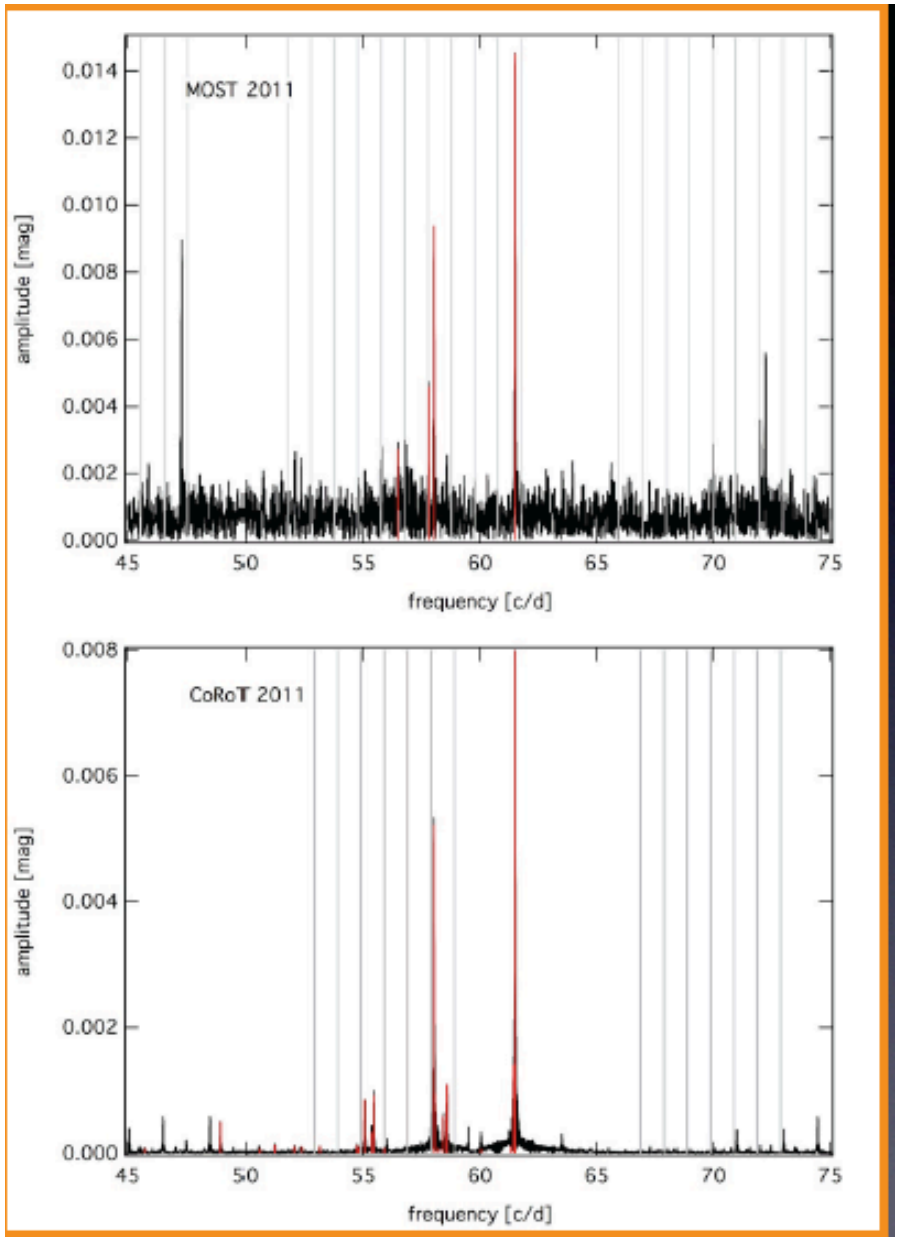
2 PMS δ Scutis & 2 (PMS) SPBs

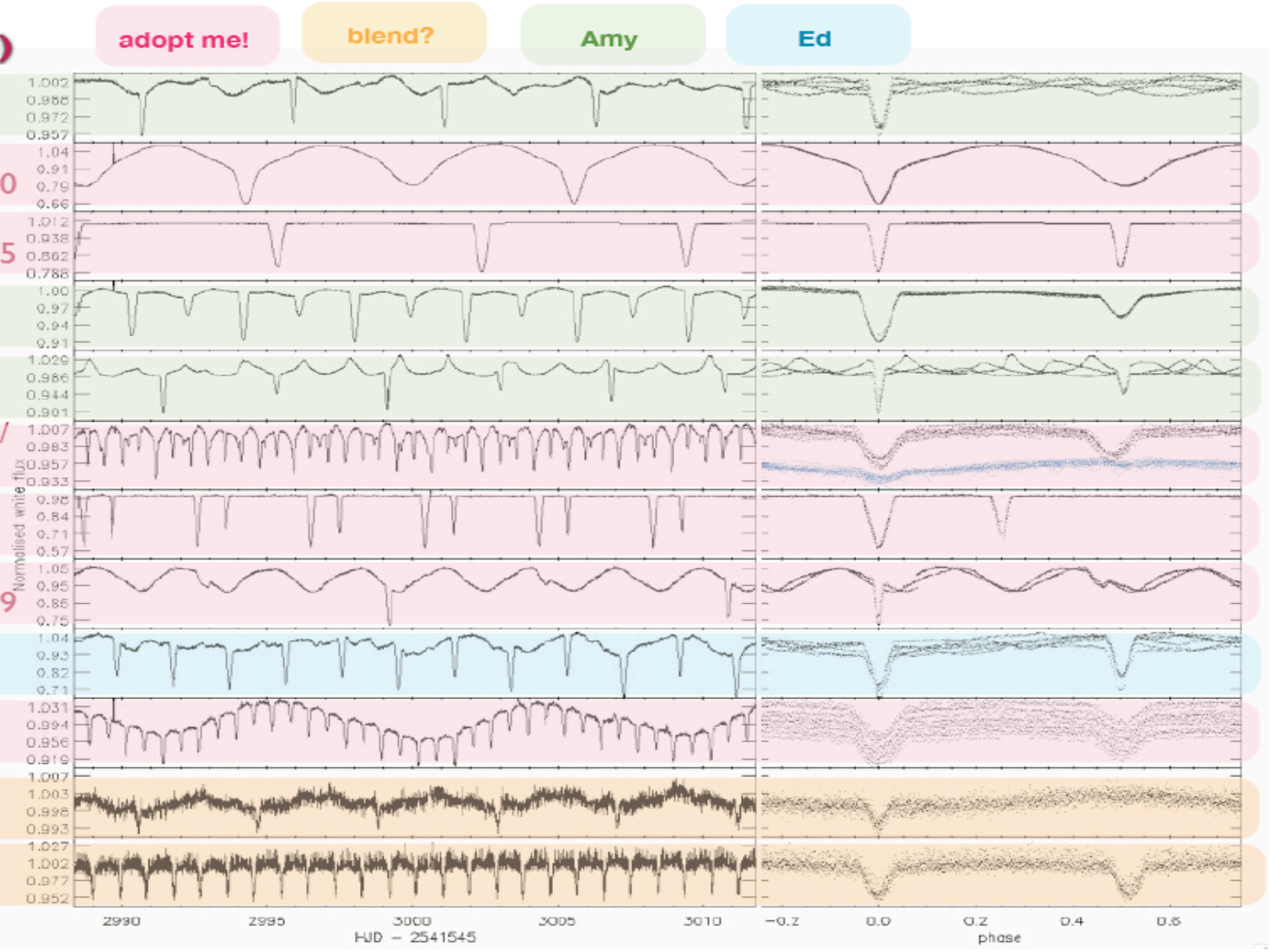
- MOST2011 & CoRoT2011: 17 stars in common
  - MOST & CoRoT (all 4 runs): 26 stars in common
- MOST & Chandra: 5 stars in common
  - 4 constant in MOST
  - 1 with rotational modulation in MOST

No Pulsators!!!

HD 261711


MOST 2006
amplitude [mag]
frequency [c/d]
CoRoT 2008
amplitude [mag]
frequency [c/d]


MOST 2011
amplitude [mag]
frequency [c/d]
CoRoT 2011
amplitude [mag]
frequency [c/d]

Ecclipsing binaries

ID	m_R	P(d)
0091	11.05	5.20
0187	12.30	11.30
0254	12.30	14.05
0360	12.0	3.83
0393	12.7	7.70
0802	12.9	1.18/ 0.93
0824	14.99	3.92
0942	15.32	11.69
1039	15.74	3.87
1340	14.3	1.26
1379	11.88	4.12
2986	10.35	1.85