

Magnetic Stars

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Science Drivers

- Stellar Rotation/Cycles
- Stellar Flares
- Young Stars
- Cluster Environments

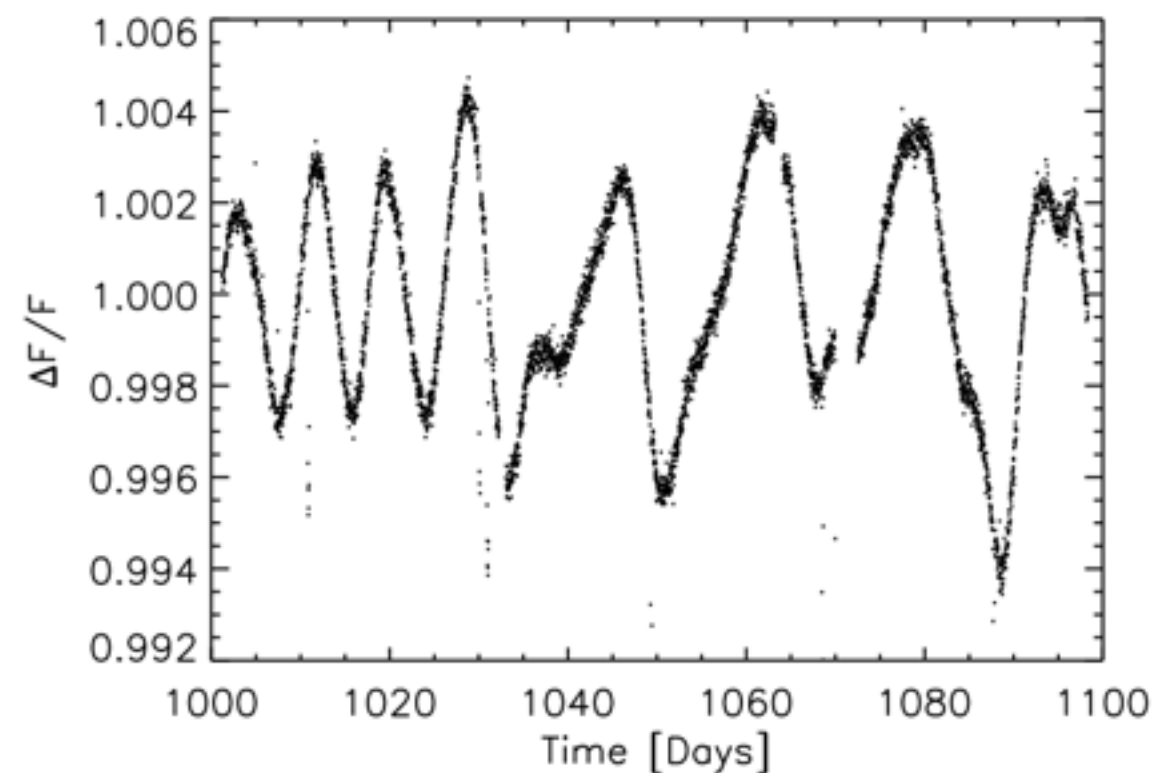
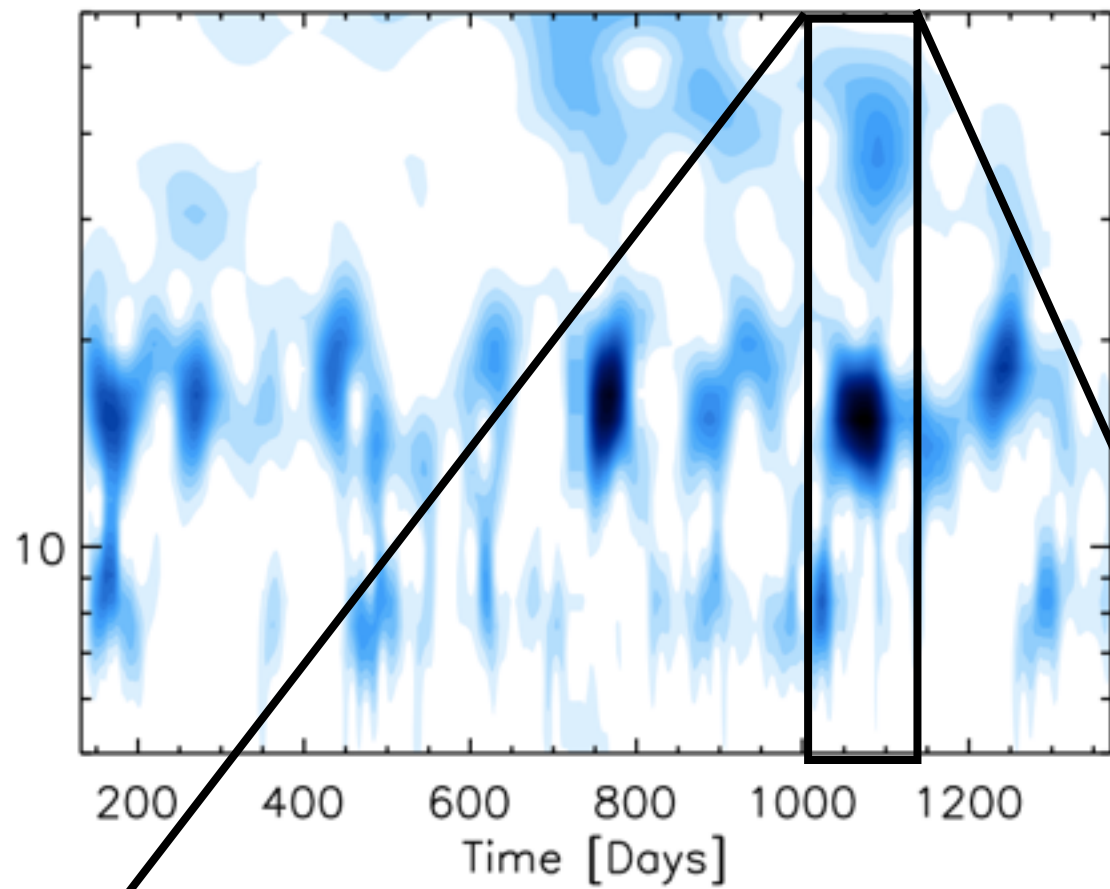


On own merits, as well
as exoplanet hosts

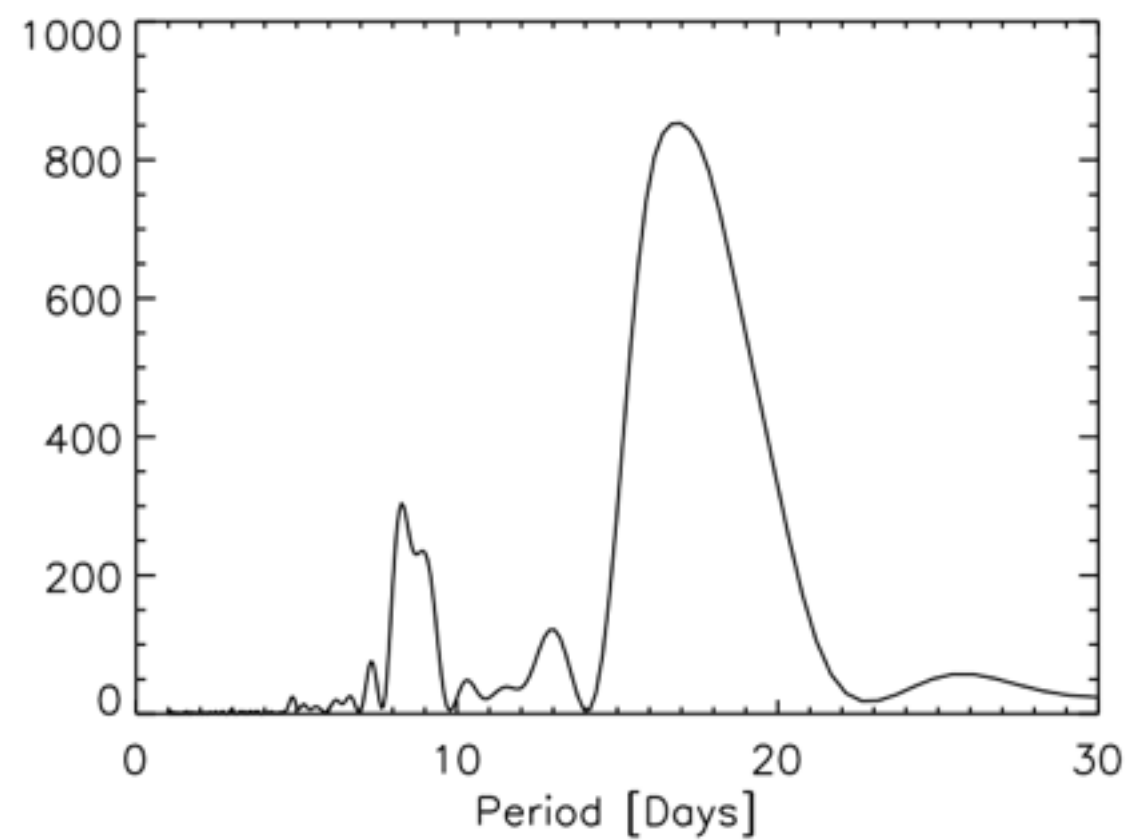
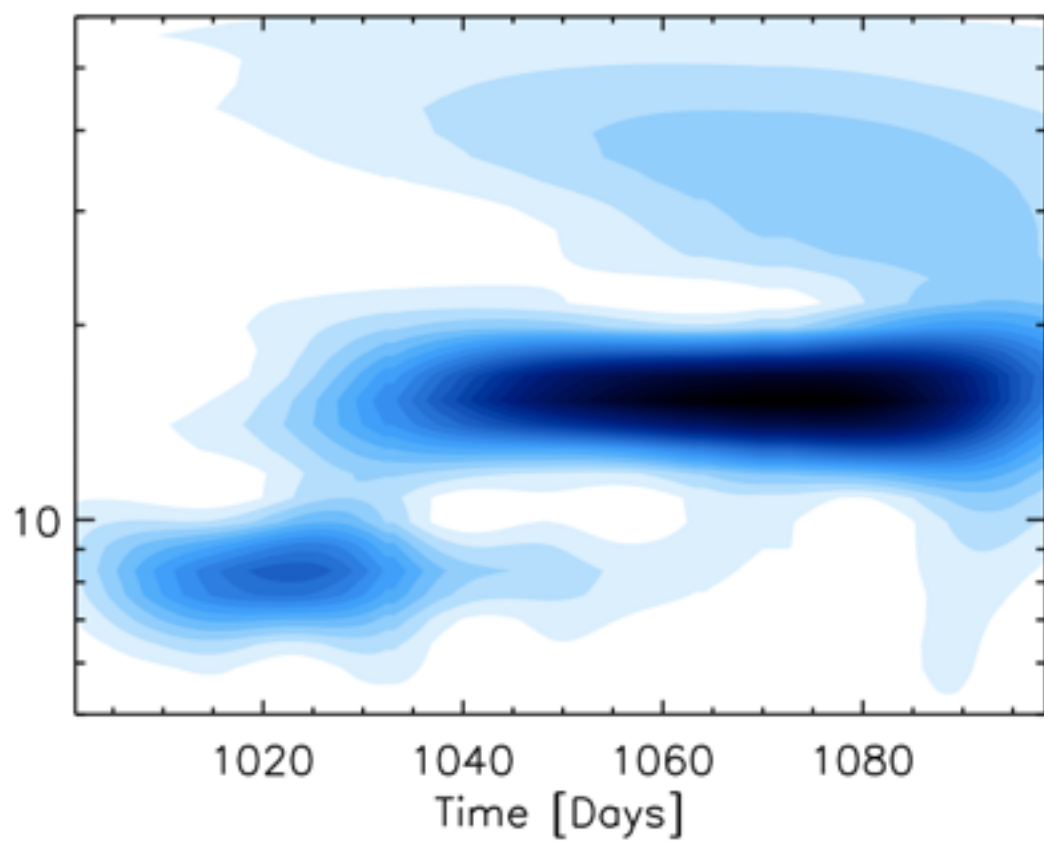
Observational Challenges

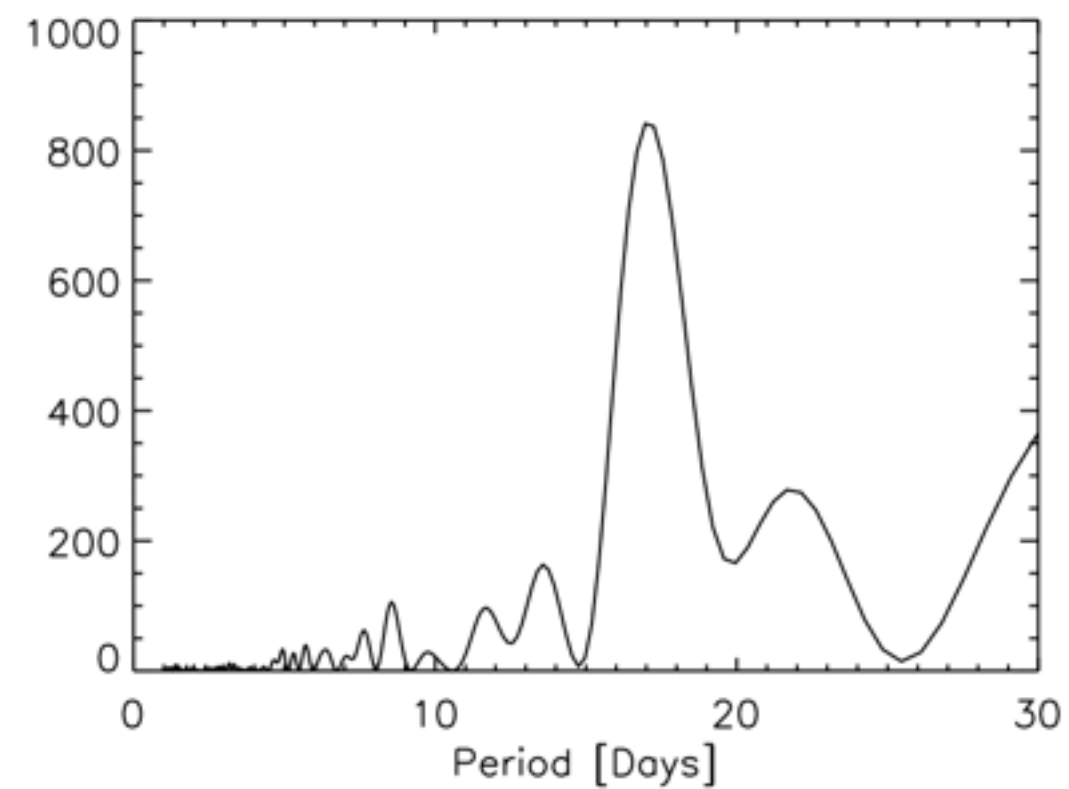
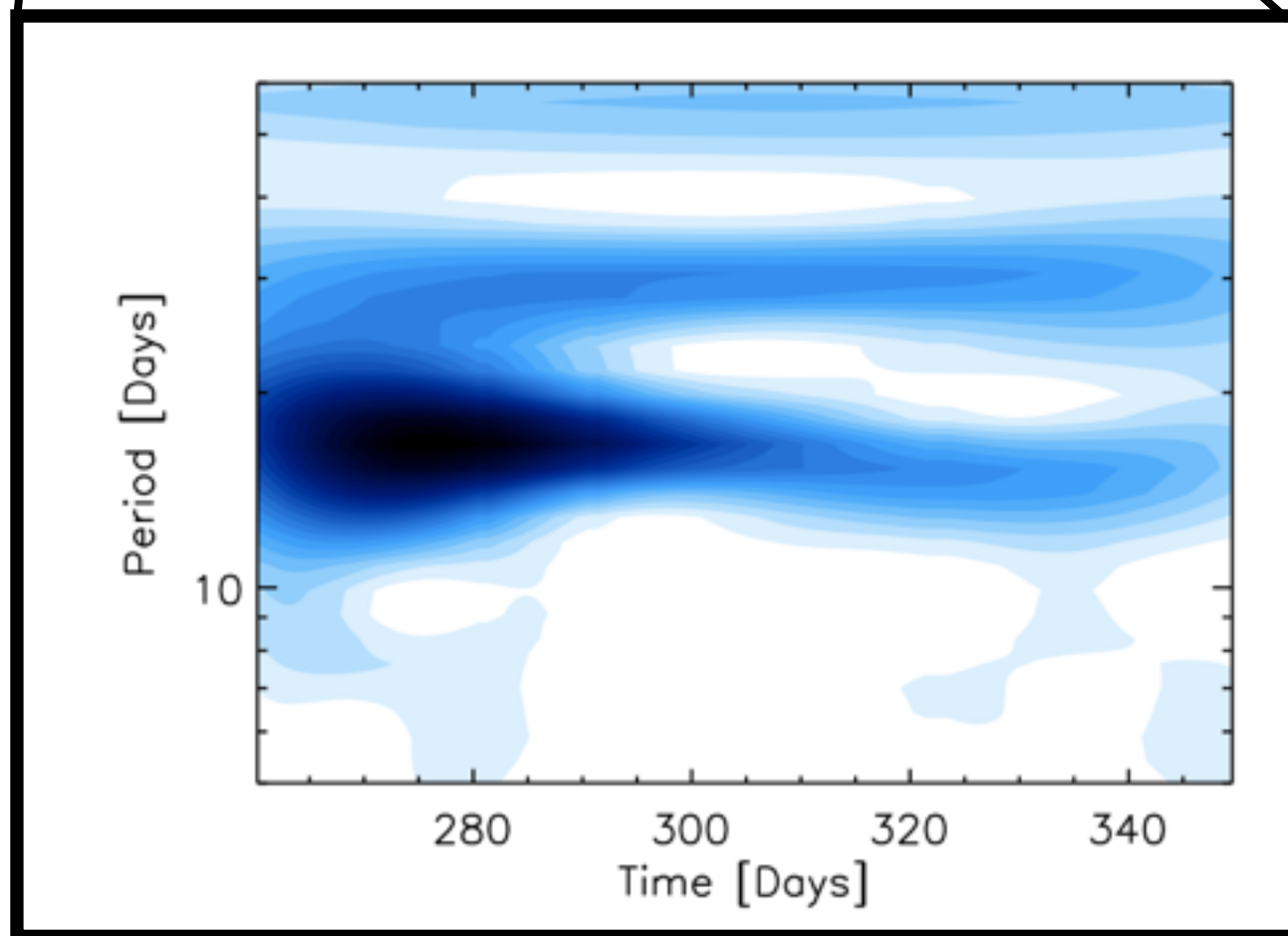
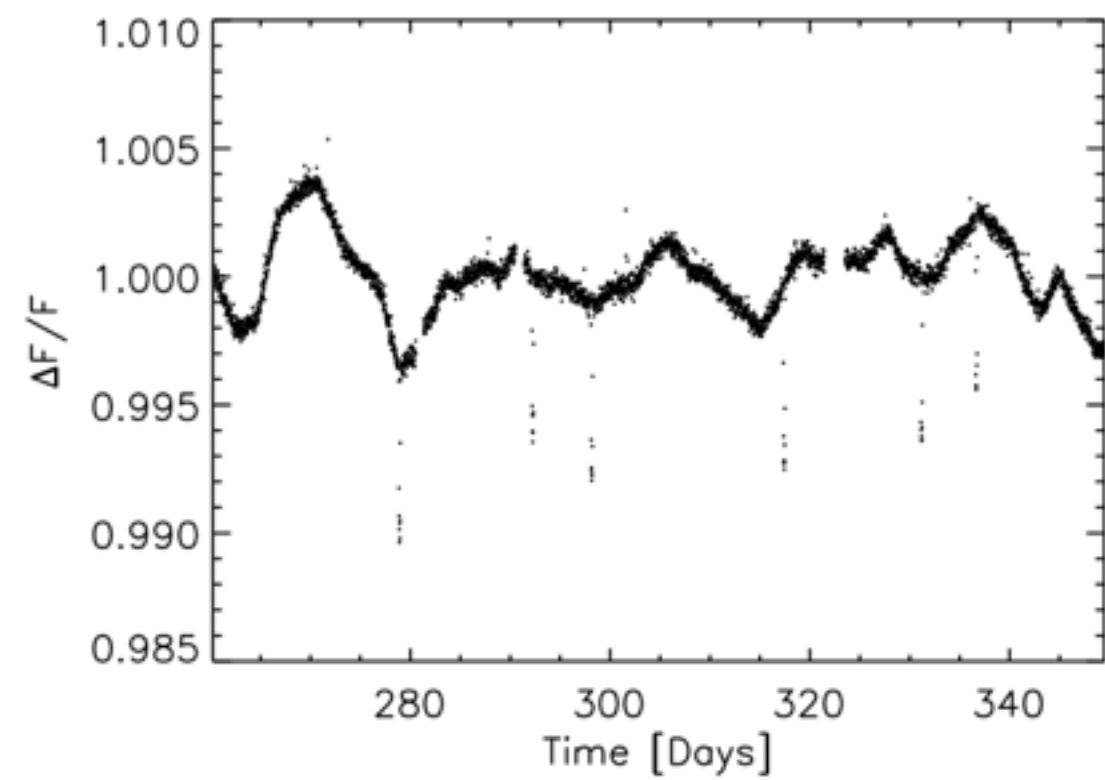
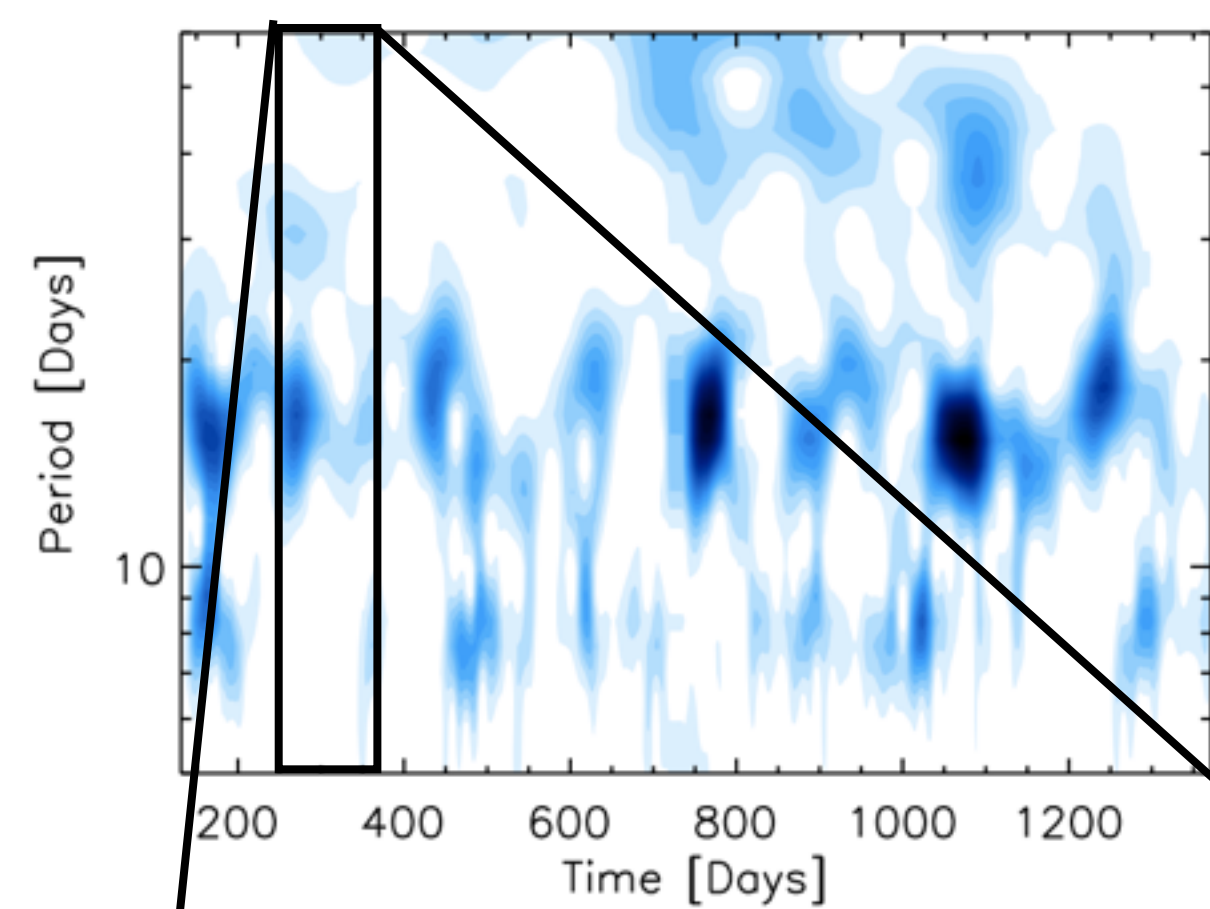
- Older stars have low variability / longer periods
- Objects of interest potentially in crowded fields
- Flares detectable but not characterized

Period [Days]

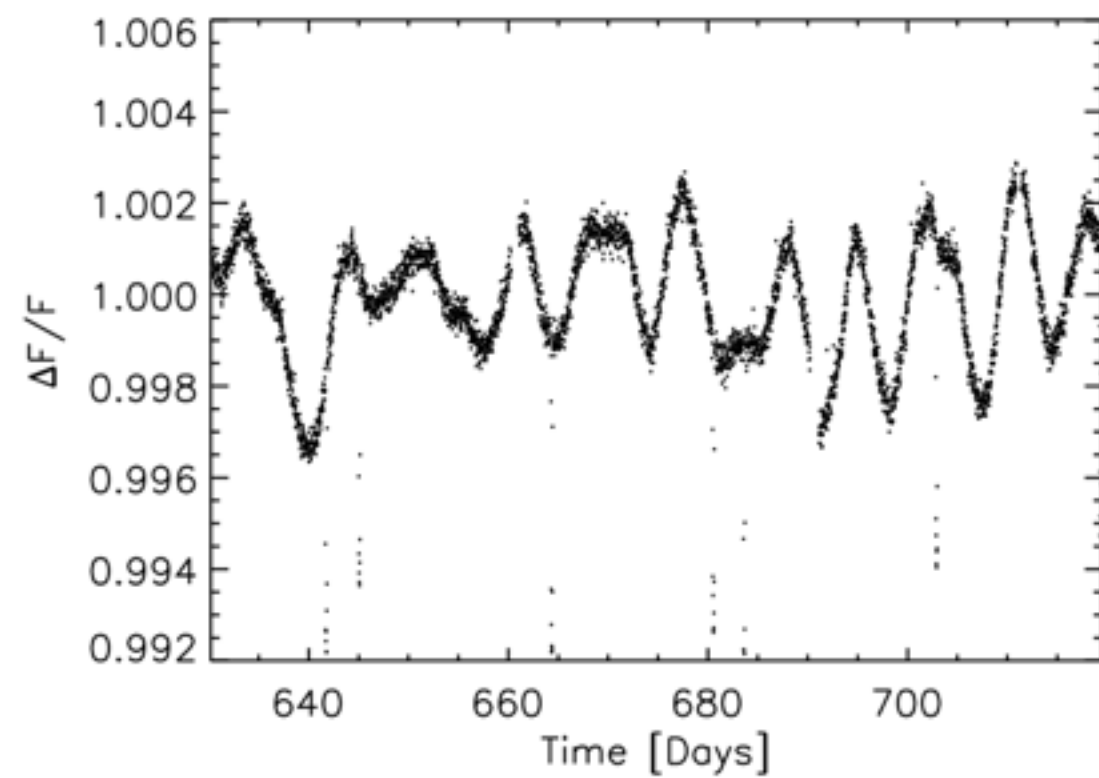
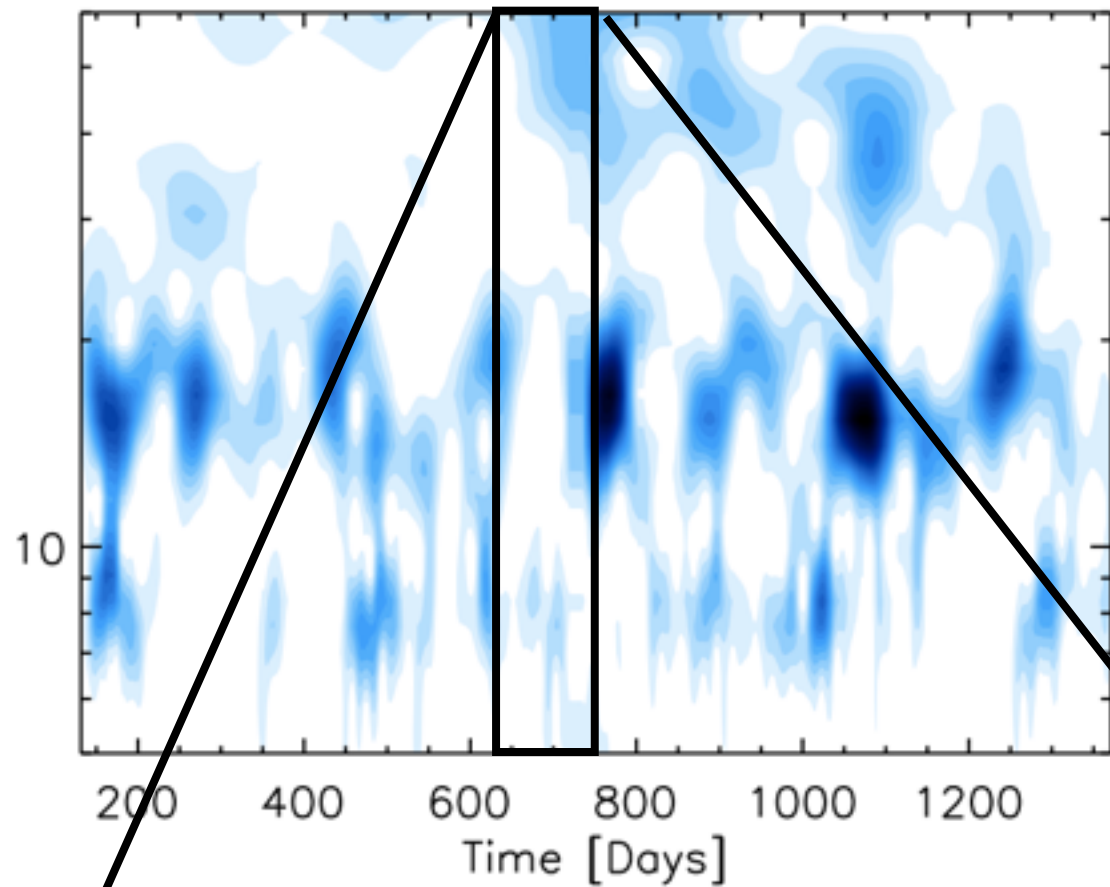


Period [Days]

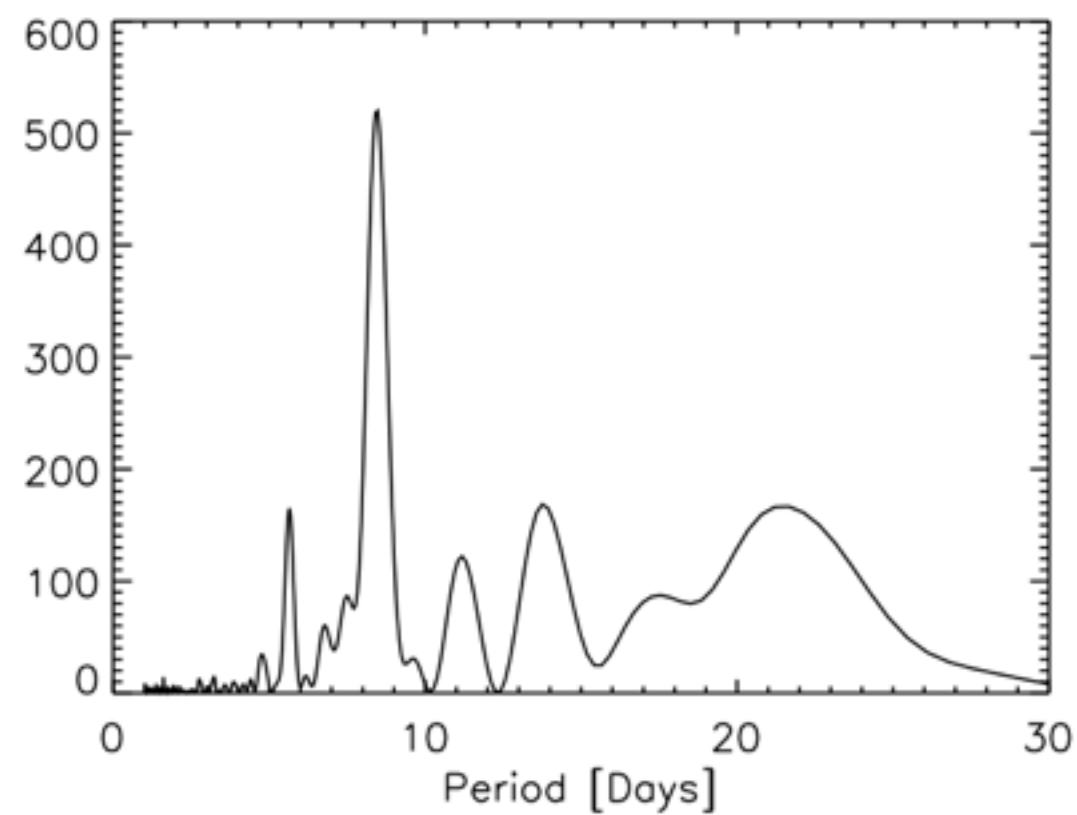
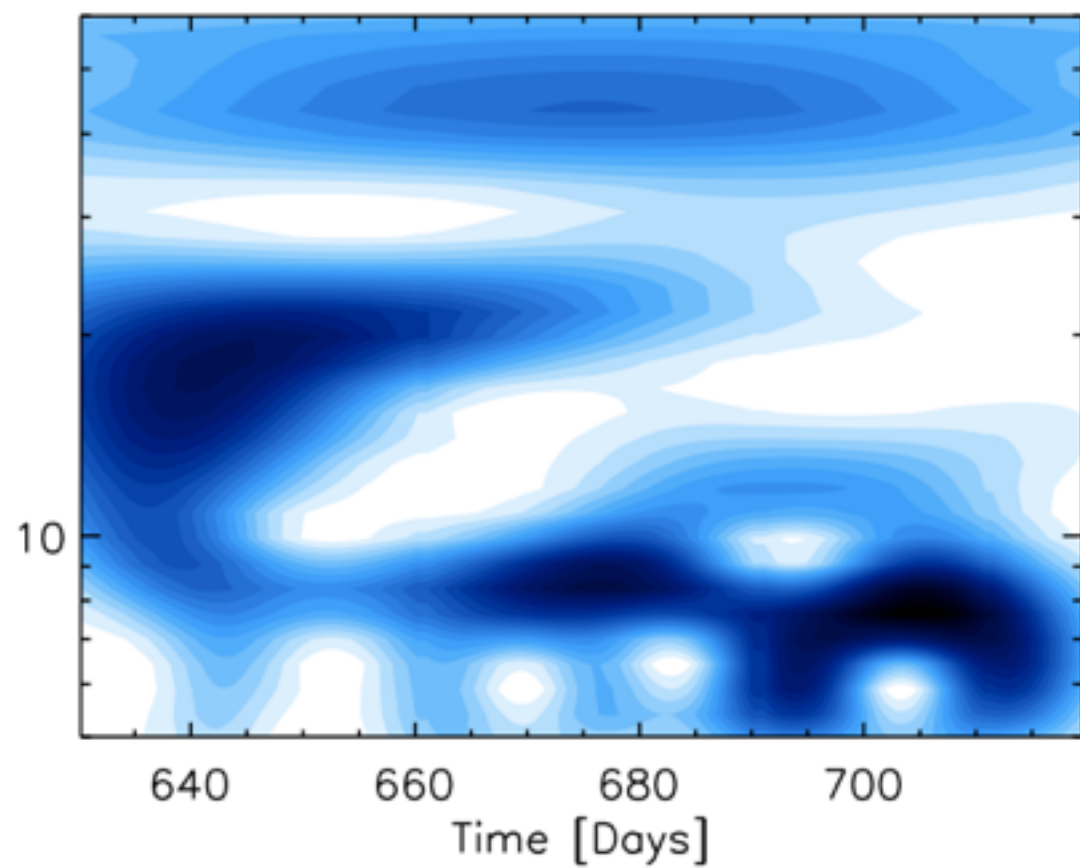




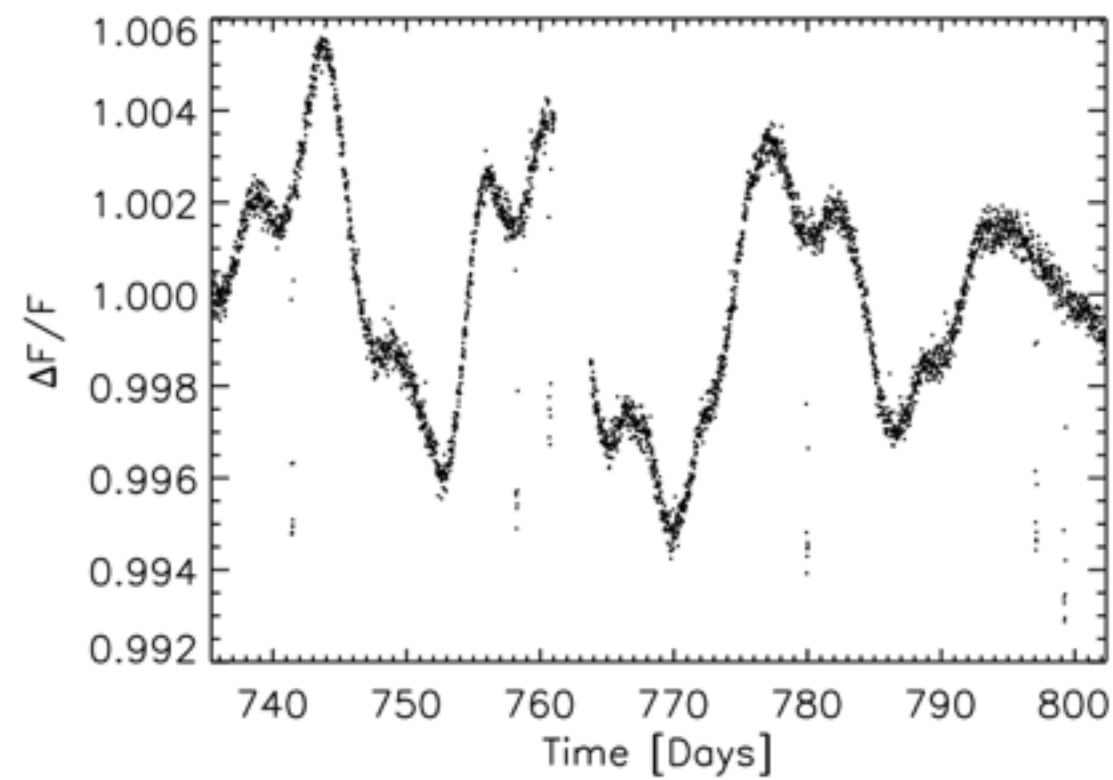
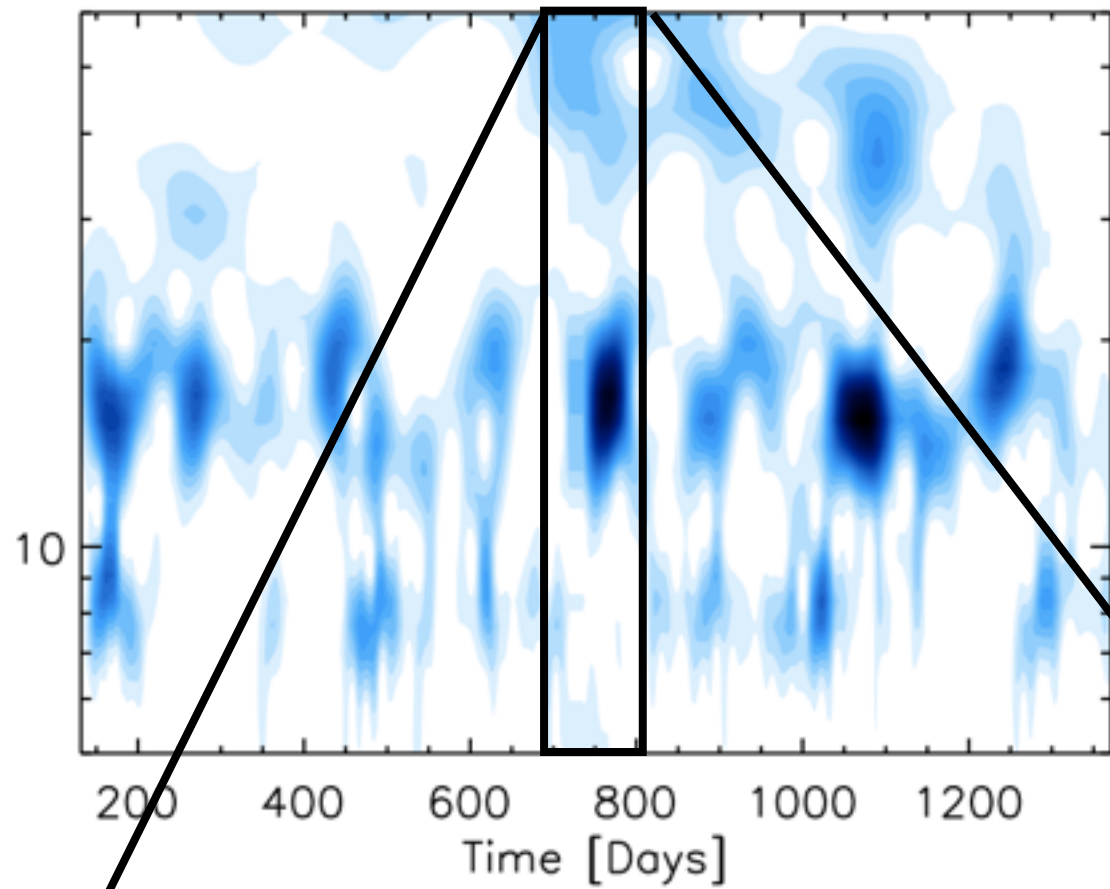
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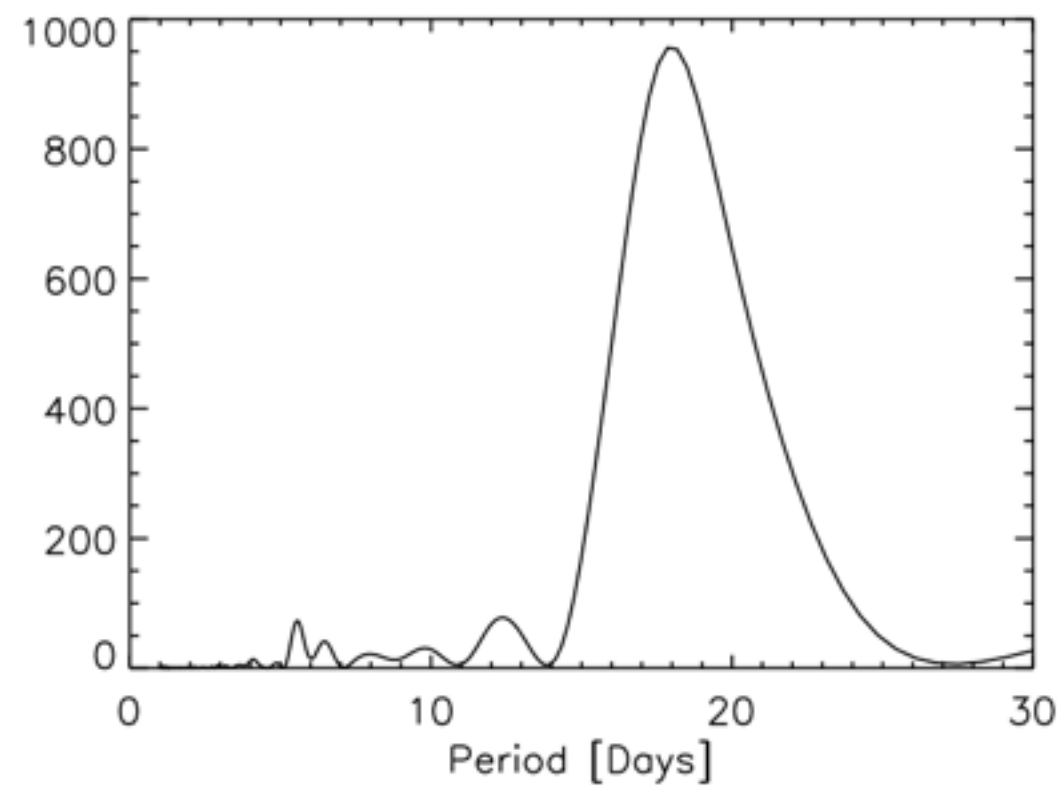
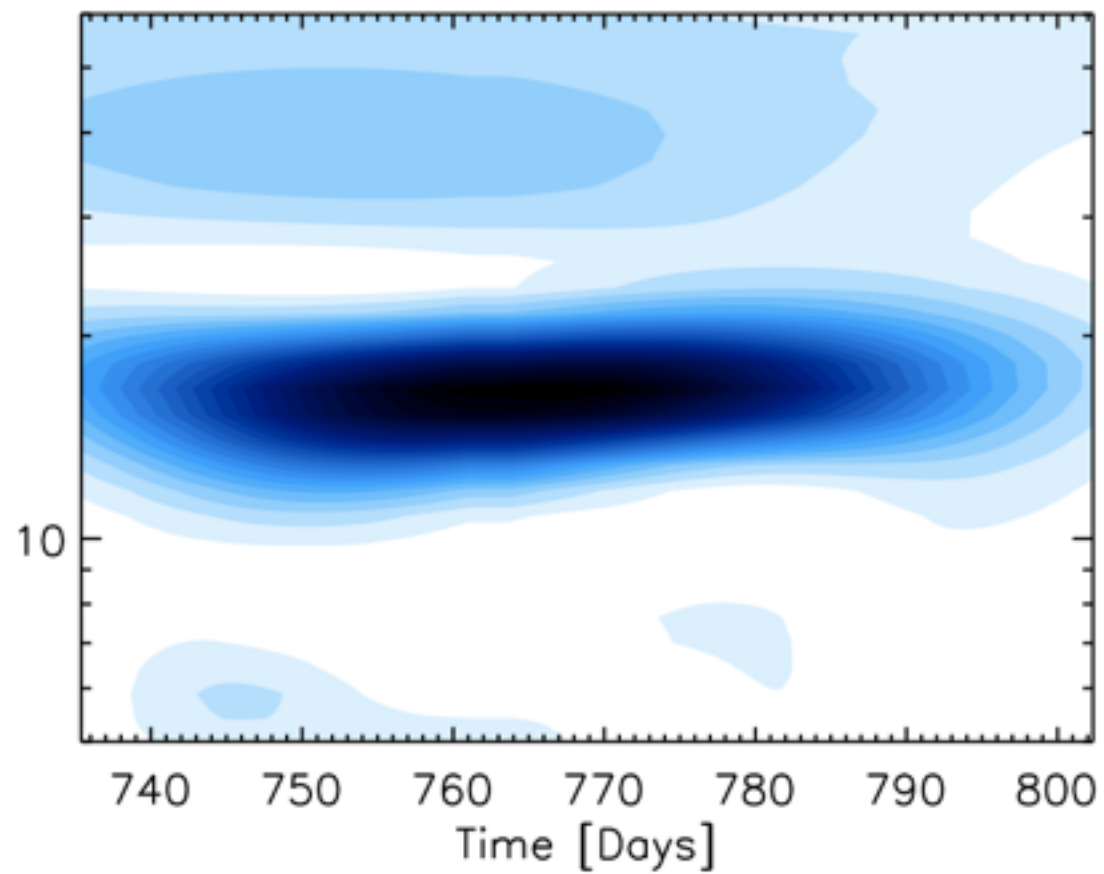
Period [Days]



Period [Days]



Period [Days]



Current Subgroup Status

- Overlap with other subgroups: Galactic, Exoplanets, etc
- S. Ridgway has explored period recovery/variability detection
- M. Lund has worked on applicable metrics
- E. Hilton Stripe 82 Flare work
- Need to link above to specific science cases!