

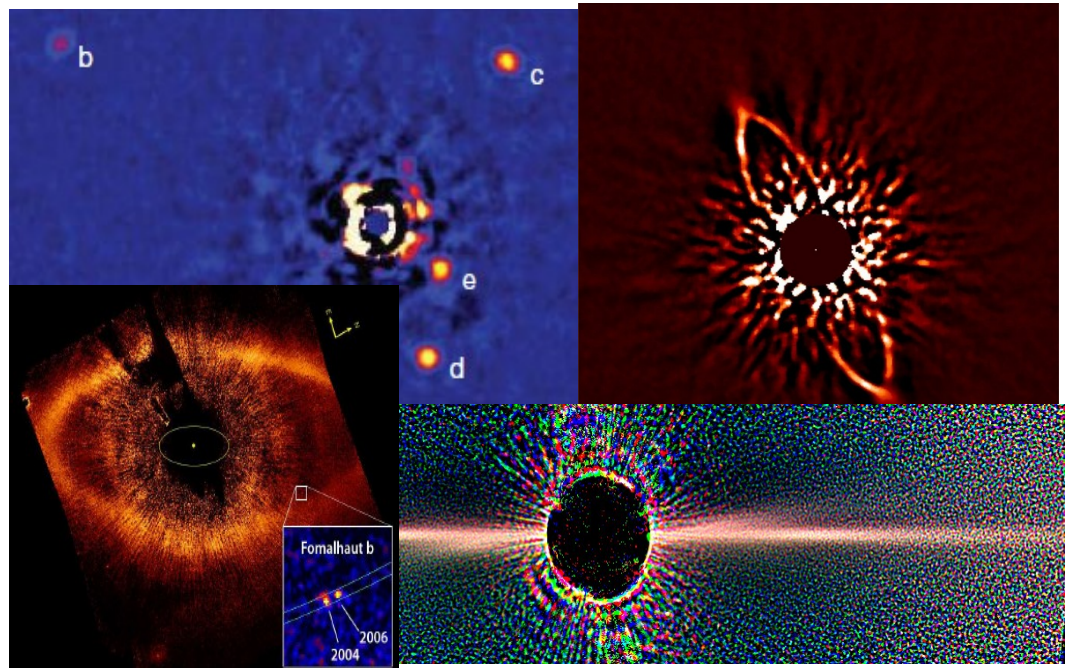


# How old are the A-stars?

**Jeremy Jones (GSU)**

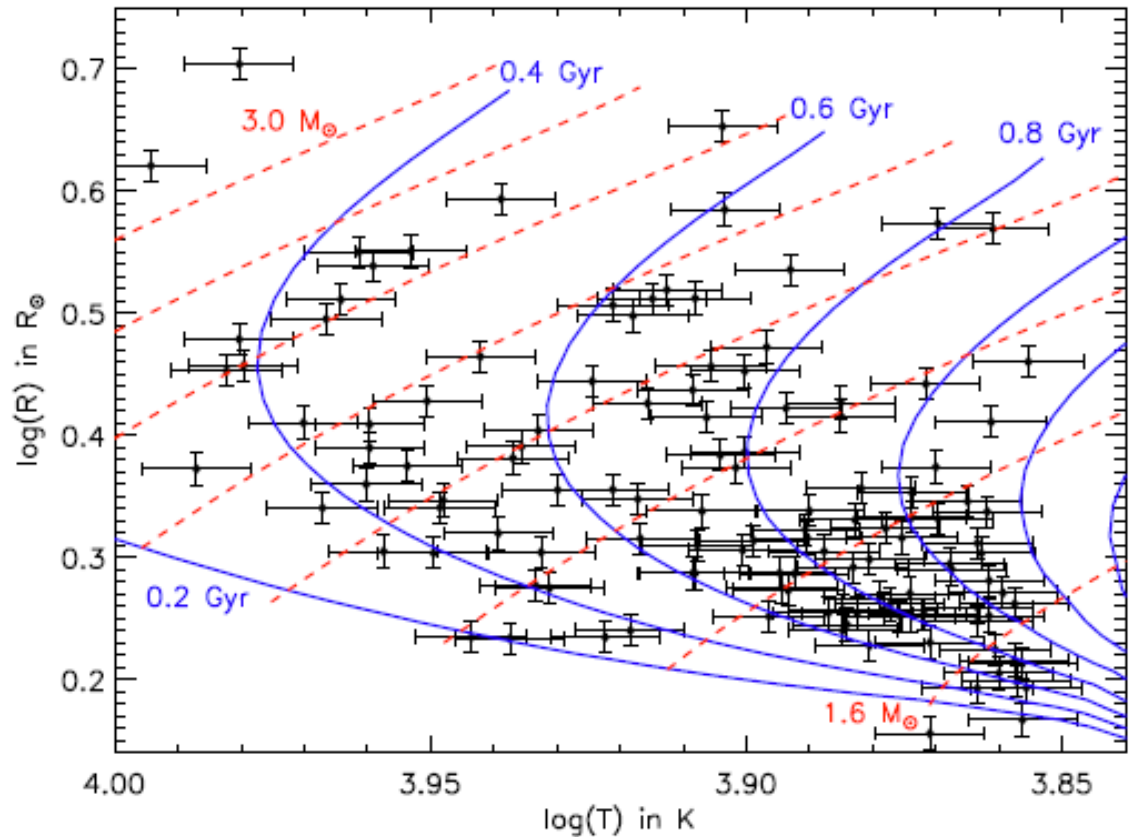
with:

- R. White
- T. Boyajian
- G. Schaefer
- E. Baines
- M. Ireland
- J. Patience



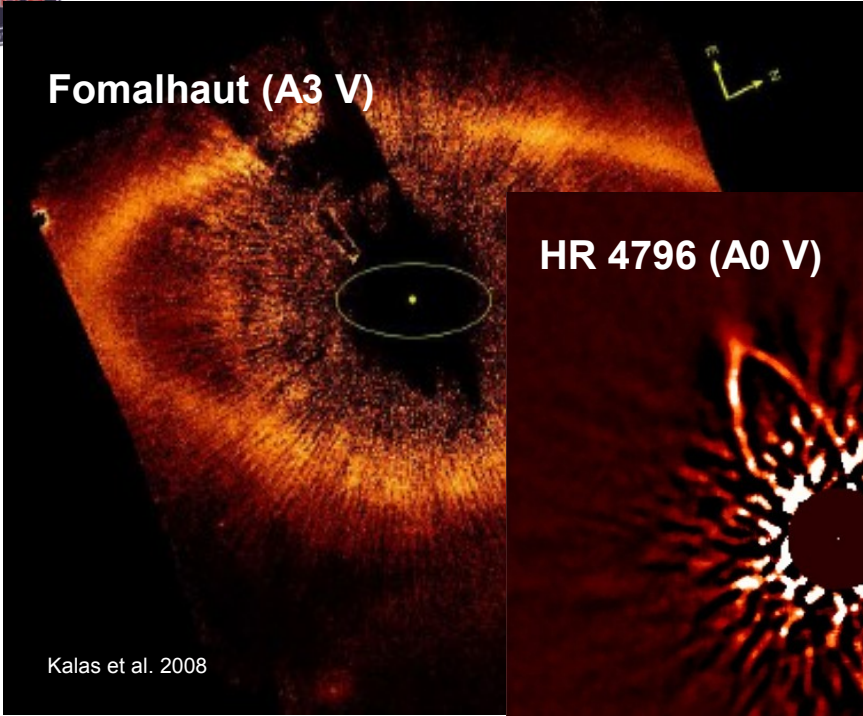
# Ages in a Nutshell

- Measure radii of nearby A-stars
- Determine ages from evolutionary models

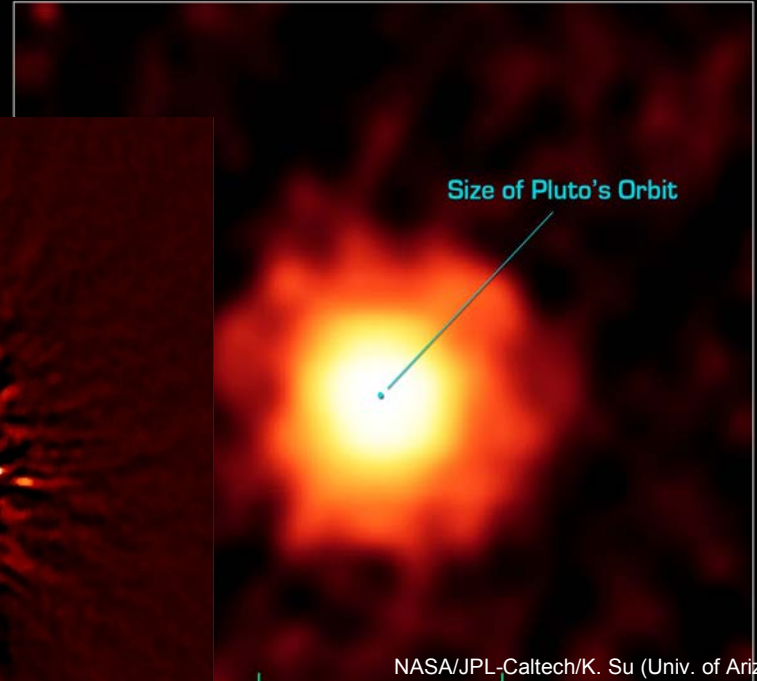




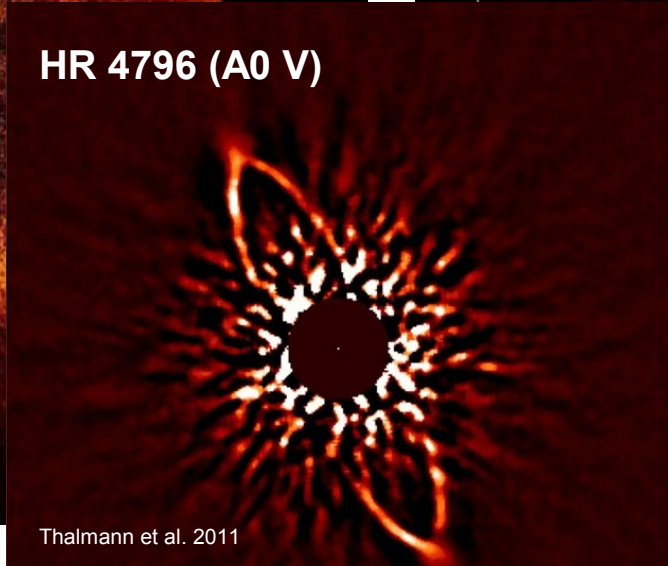
Fomalhaut (A3 V)



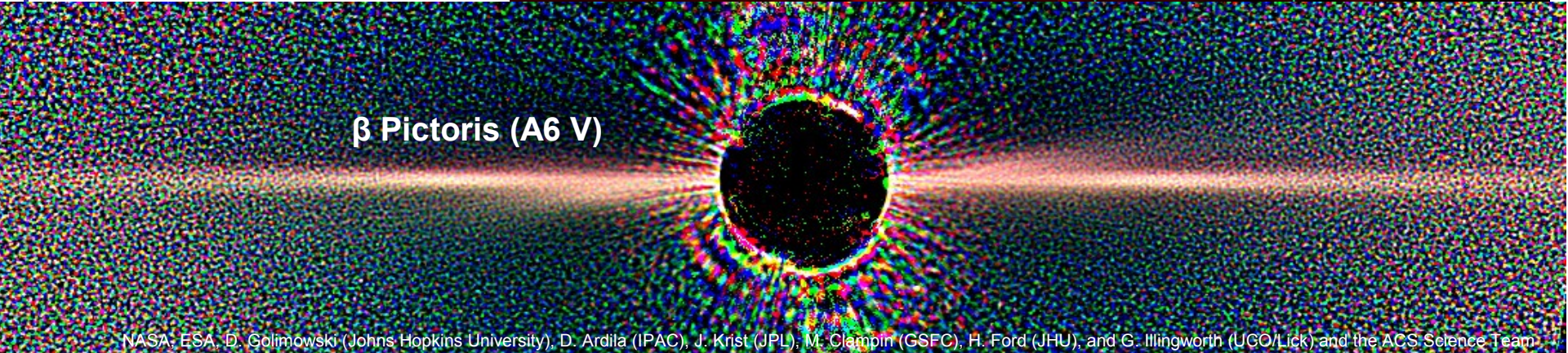
HR 8799 (A5 V)

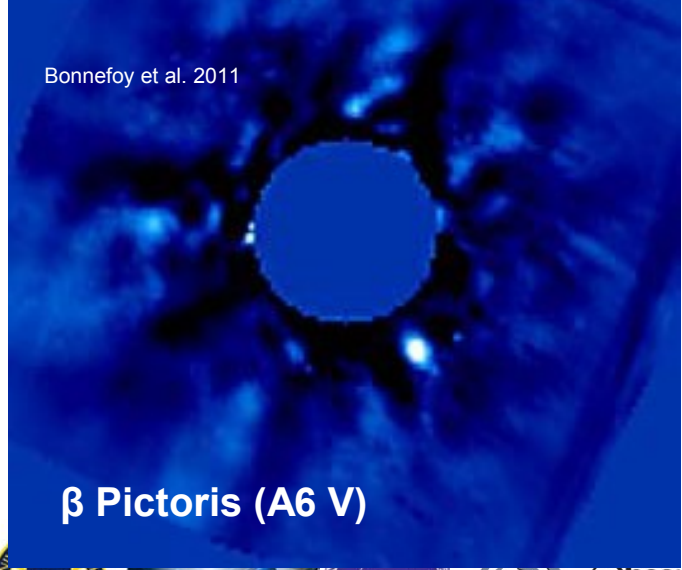
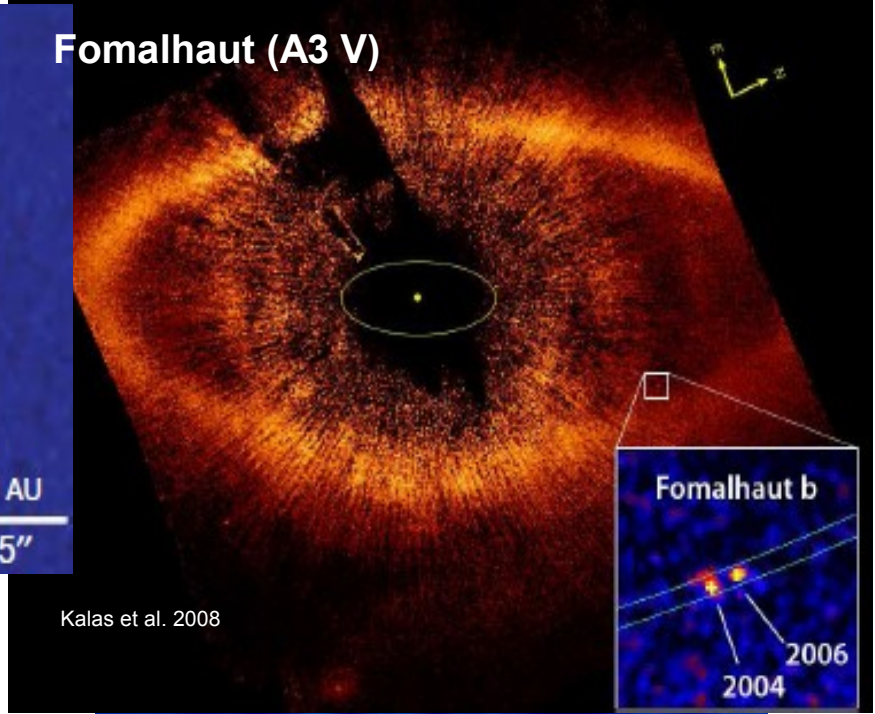
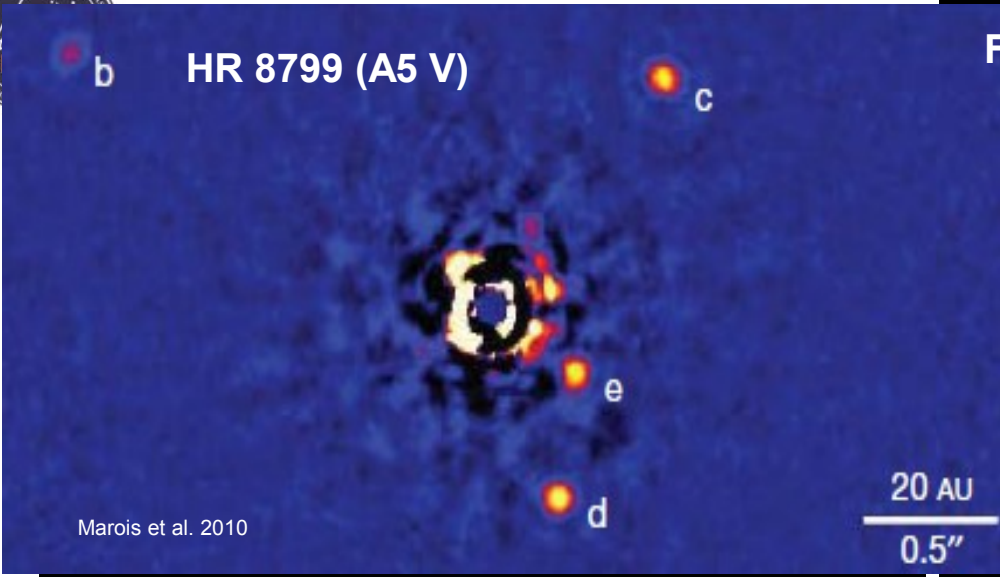


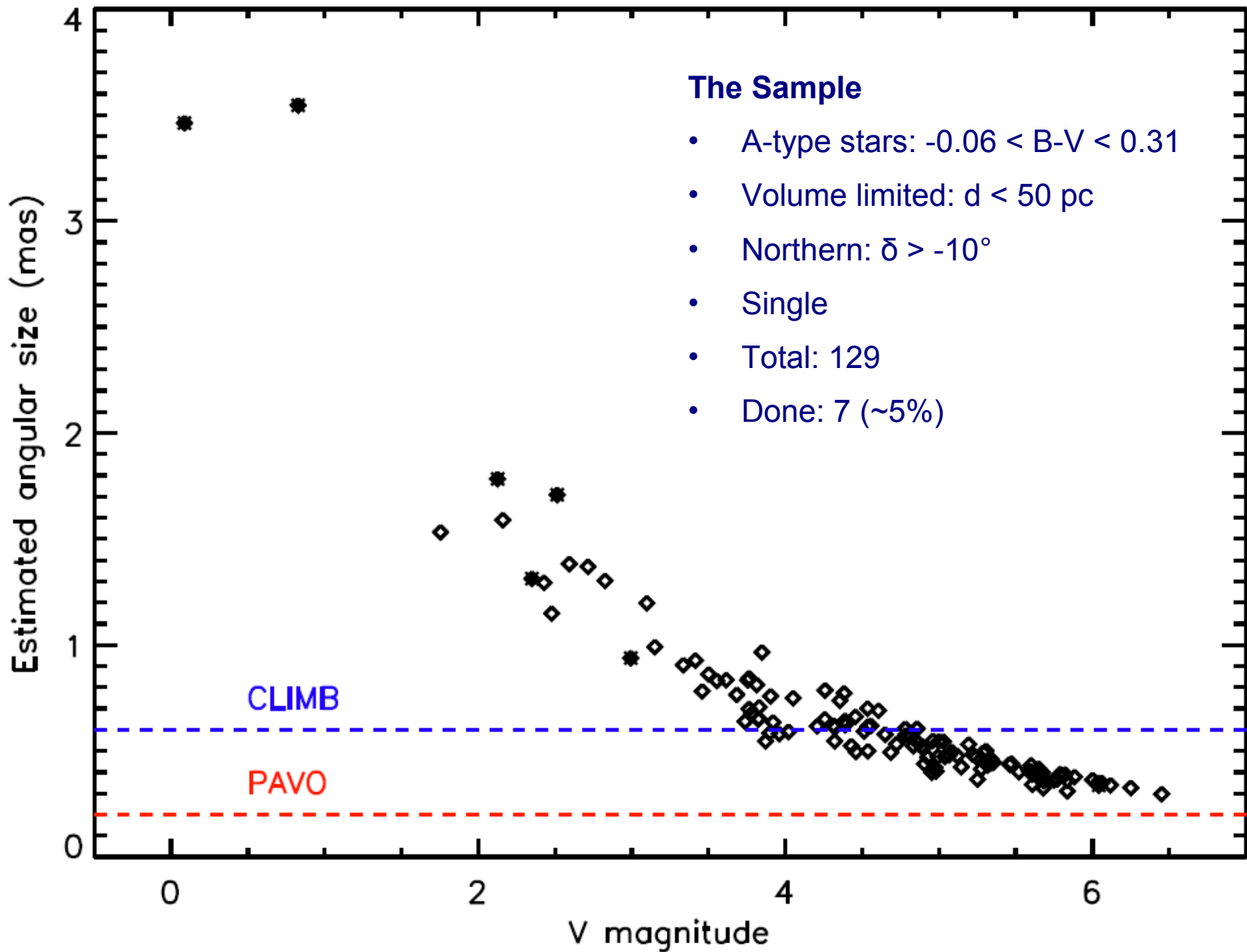
HR 4796 (A0 V)

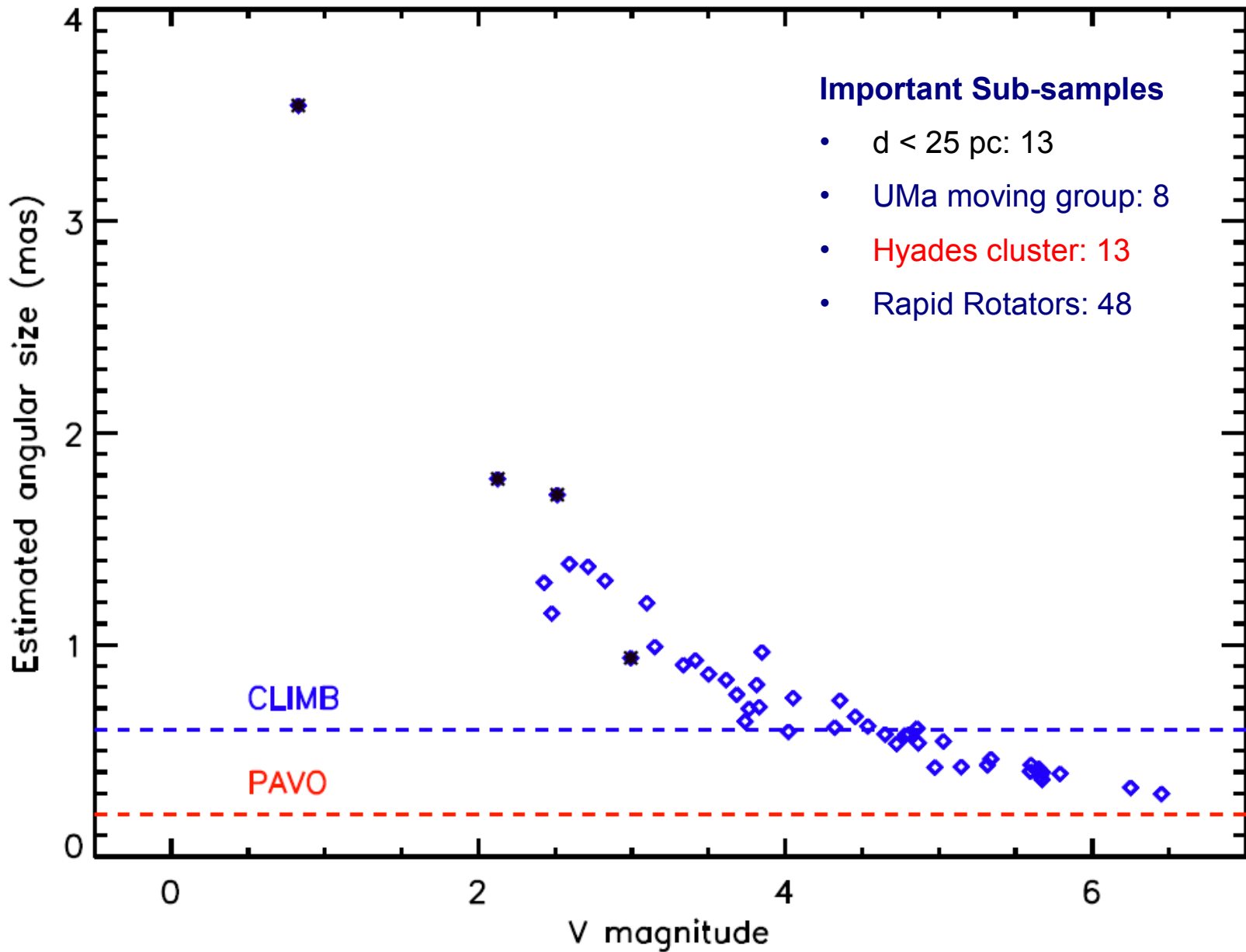


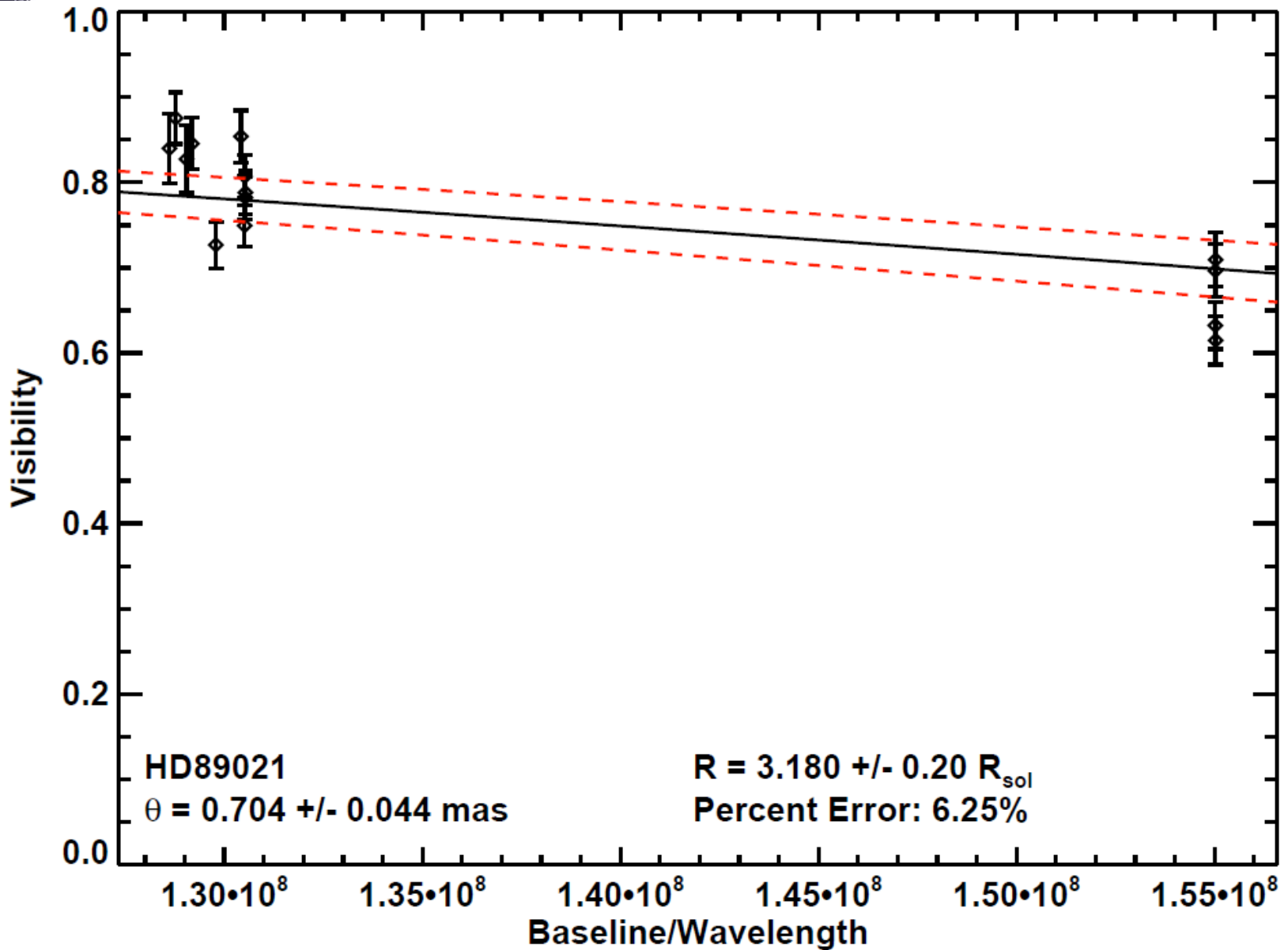
$\beta$  Pictoris (A6 V)

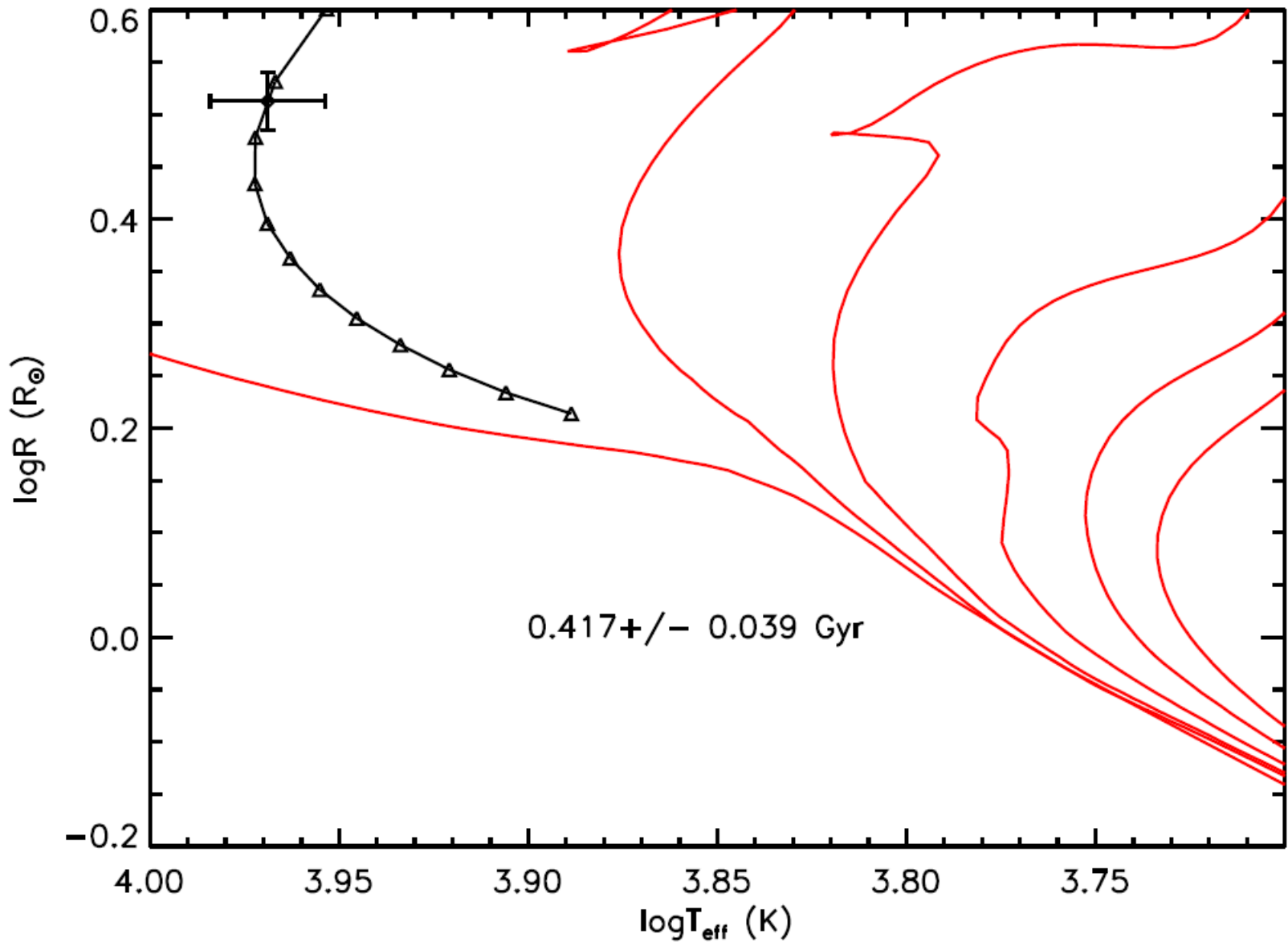




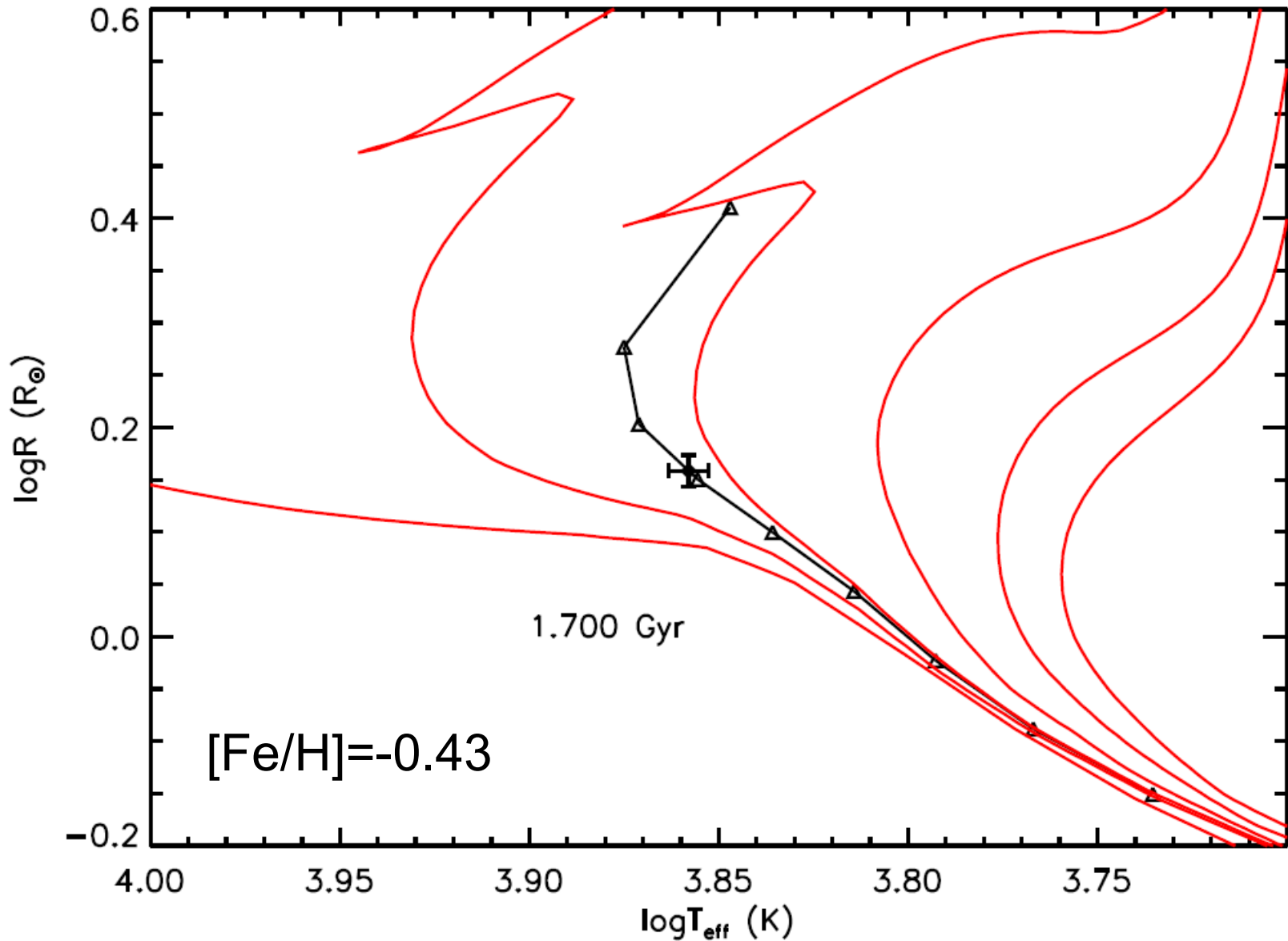


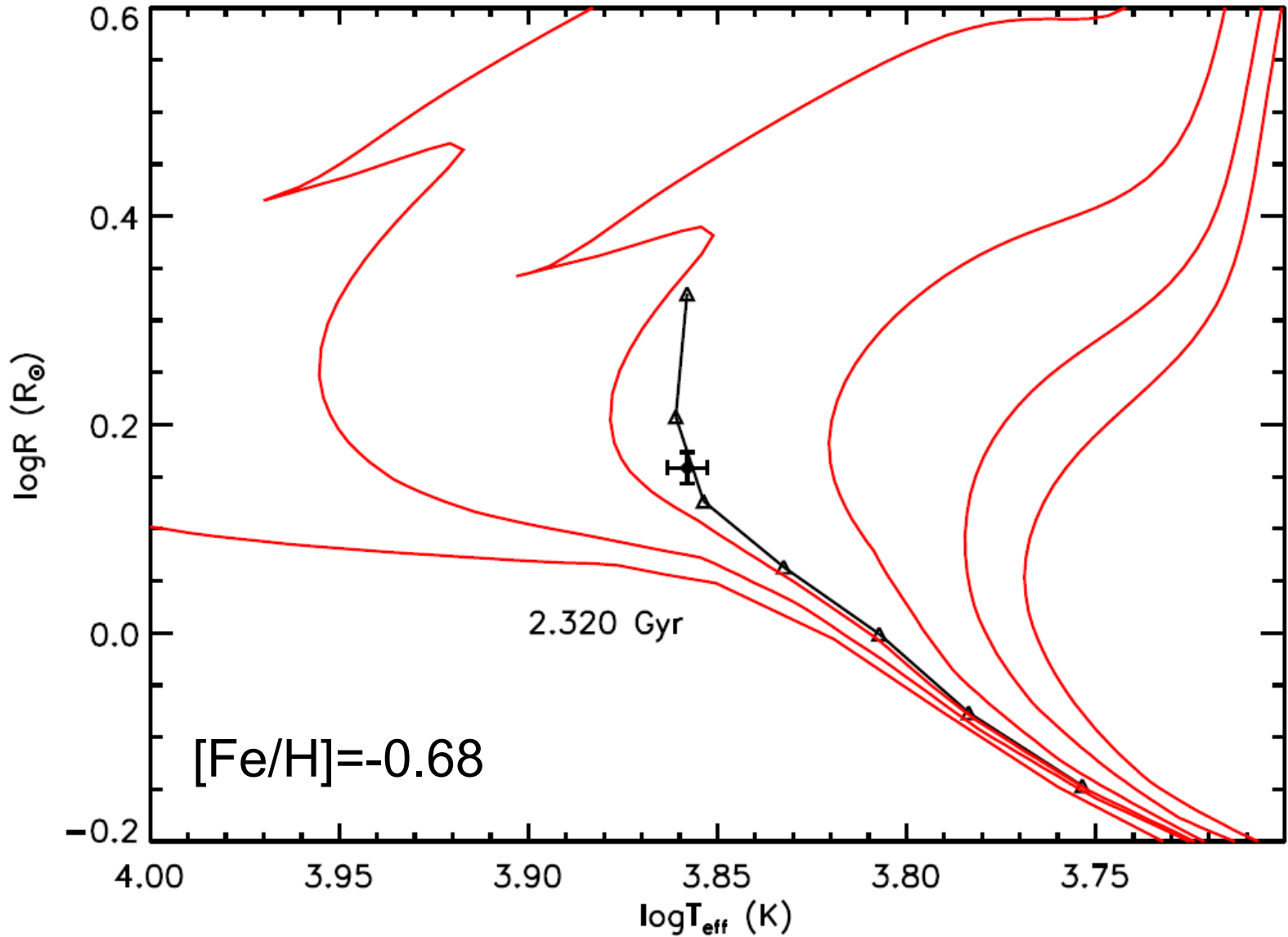








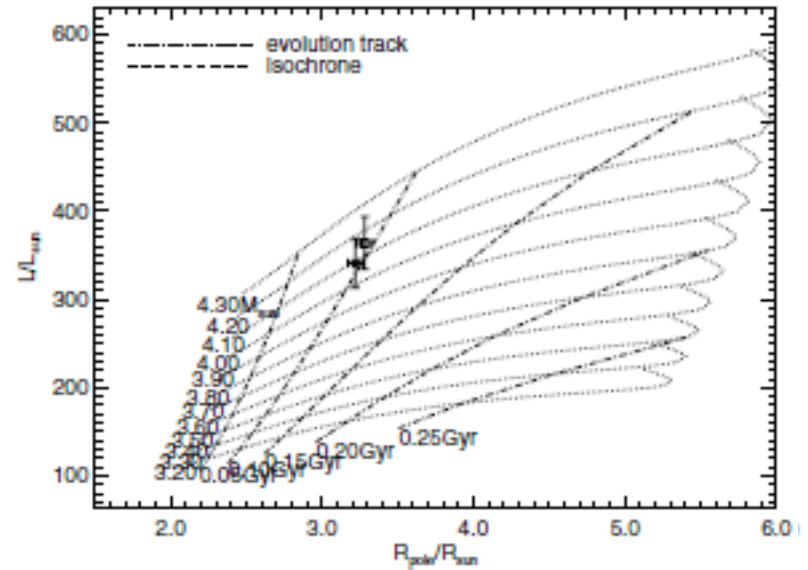
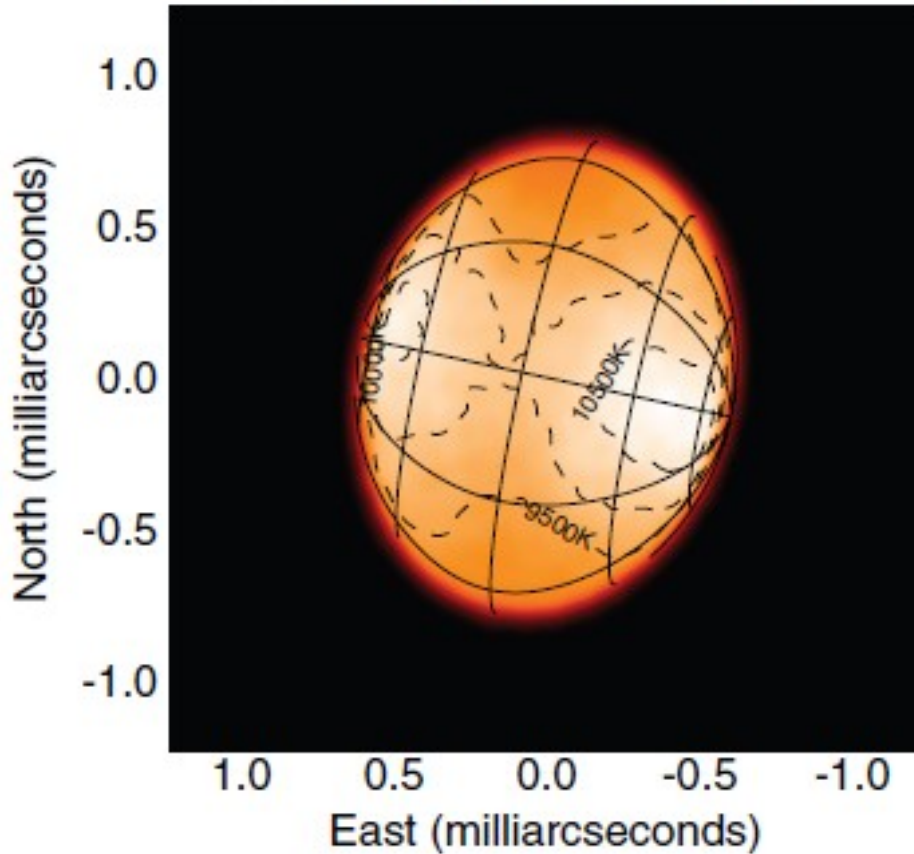






# Rapid Rotators

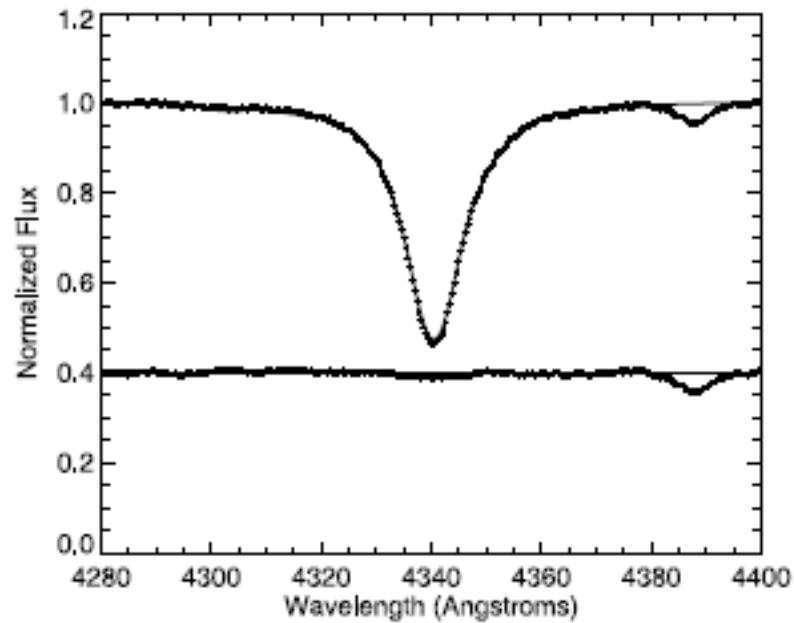
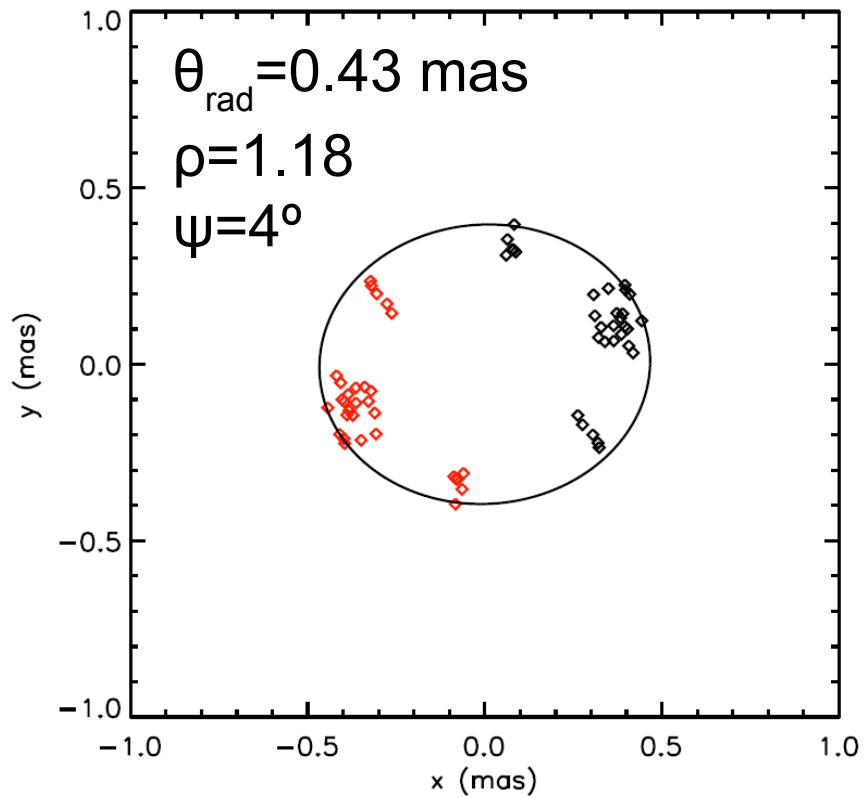
$\alpha$  Leo Image Reconstruction



Che et al. 2011



Observatoire de la CÔTE d'AZUR



McAlister et al. 2005



# Future Work

- Near future:
  - Complete 25 pc sample
  - Complete UMa sample
  - Compare PAVO and CLIMB diameters
- Not as near future:
  - Complete Hyades sample
  - Pole-on rapid rotators

