

with your host

Dave "Lister" Berger















Dwarfish Doings

- April '06: CHRAA Classic observing
- June '06: CHARA IV published in ApJ
- July '06: CHARA Classic observing
- Nov '06: contributed talk at Cool Stars Conference
- Nov '06: CHARA FLUOR observing
- Feb '07: Sky and Telescope feature article w/ Jason and Nils















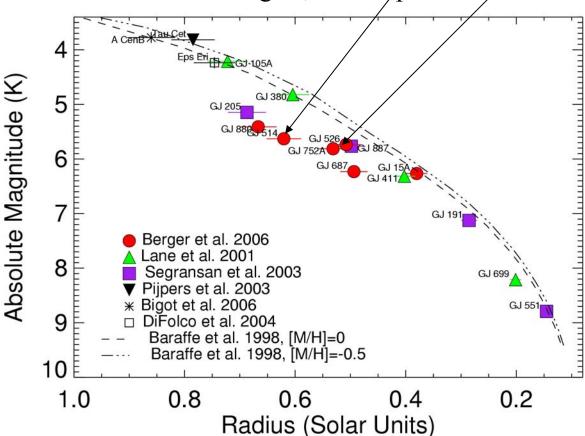


Time Allocations

"Confirming the Angular Sizes of M-Dwarfs GJ 514 and GJ 526"

Berger (Michigan), ten Brummelaar (CHARA), Henry & Gies (GSU)

Allocation: 3 nights, 2006 April 17-19







Time Allocations

"Stellar Diameters of K- and M-type Main Sequence Stars"

Berger (Michigan), van Belle (MSC), Gies & Henry (GSU)

Allocation: 6 nights, 2006 July 21-26













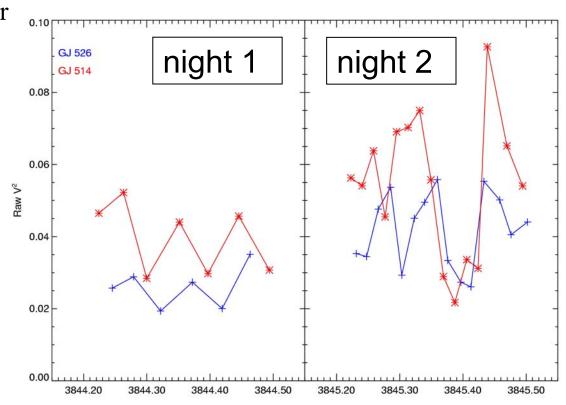






GJ 514 and GJ 526

- confirm CHARA IV: similar K-band luminosities and metallicities, but different linear and angular sizes
- not predicted by models
- $\rho \sim 6^{\circ}$ -> similar transfer function
- 2 out of 3 nights of data
- error bars ~5%
- S1/E1, Ks-band













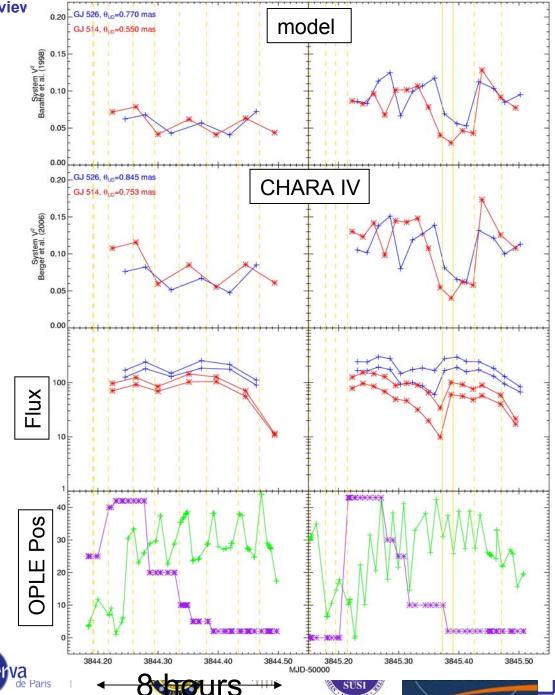






RA Collaboration Year-Three Science Reviev

- transfer functions overlap better using model values
- however, systematics dominate
- beware of the NIRO alignment!
- 35-min offset field rotation?
- best observing practices?











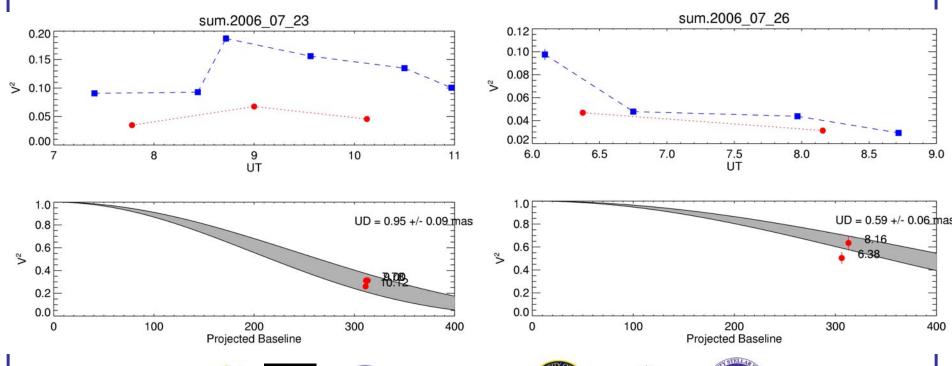






GJ 725A & B

- M3V and M3.5V, r=12.5", CPM binary, low metallicity [Fe/H]~-0.3
- poor weather/tech issues; 2 of 6 nights were marginal
- Calibrators: no fringes on one and the other *may* be an SB2 (Brian and Bill are on the case)













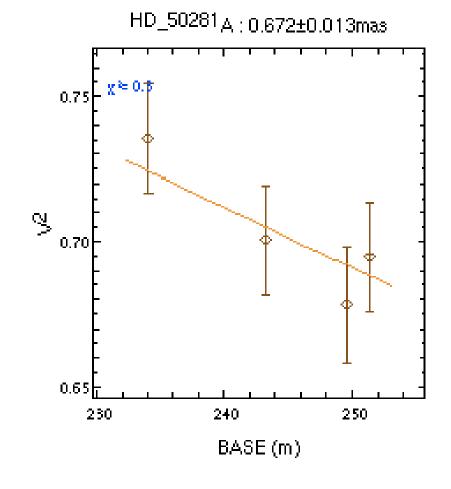






GJ 250A

- K3V, $m_K = 4.17$, [Fe/H]=-0.15
- NICMOS chip collateral damage
- Antoine salvages the run with several calibrated points (FLUOR+NIRO)
- UD=0.672+-0.013 mas
- using Hipparchos plx: R=0.66 Rsun



graphic courtesy Antoine Merand





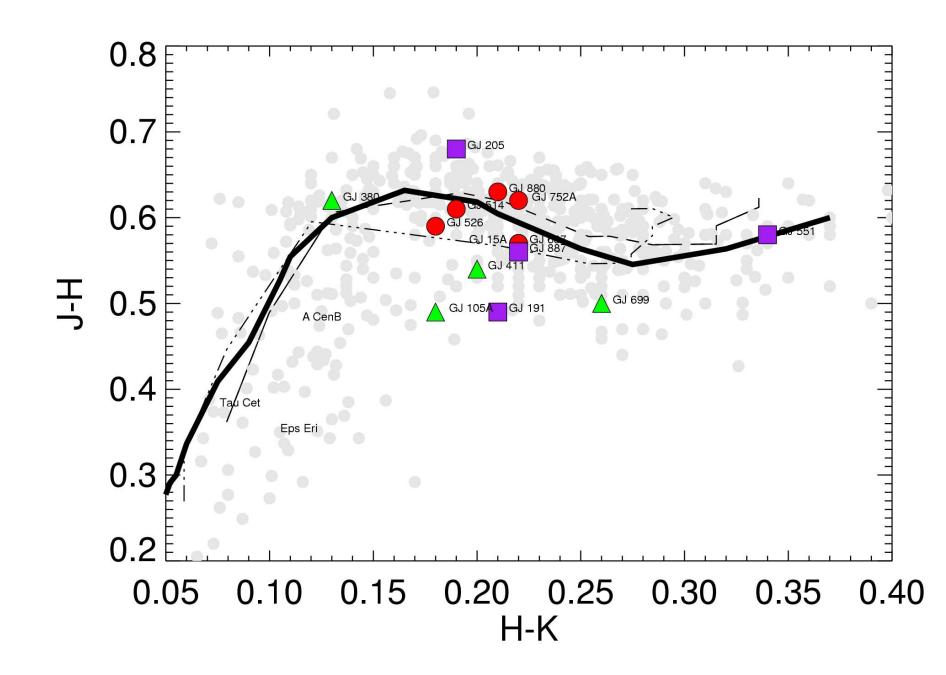


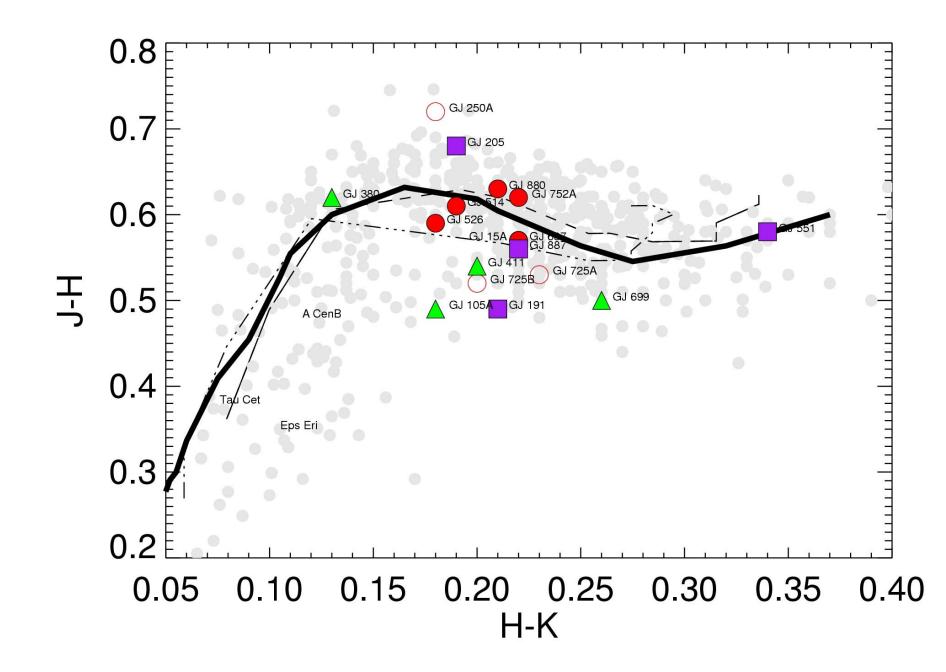


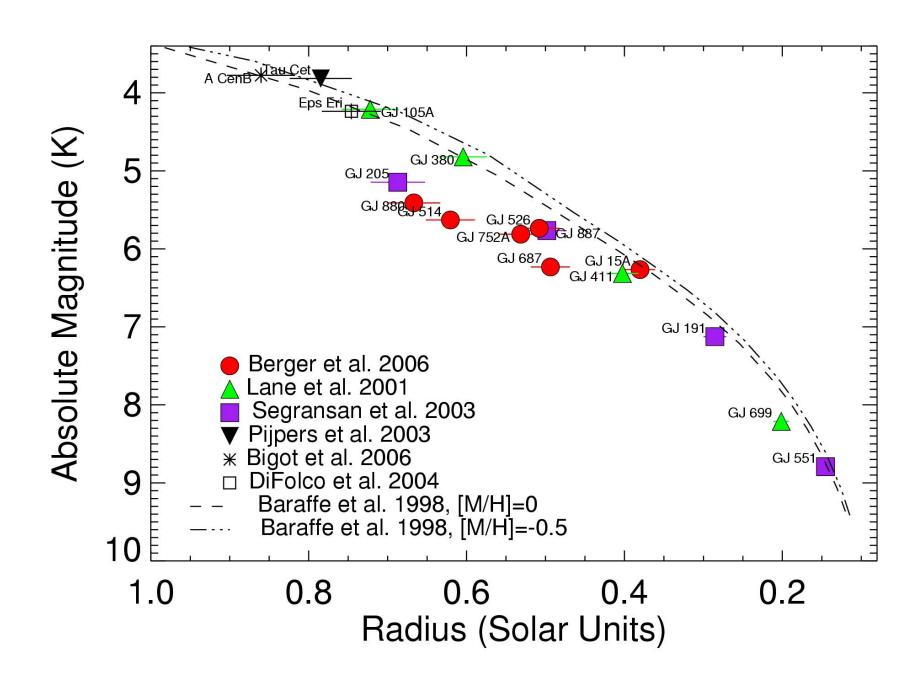


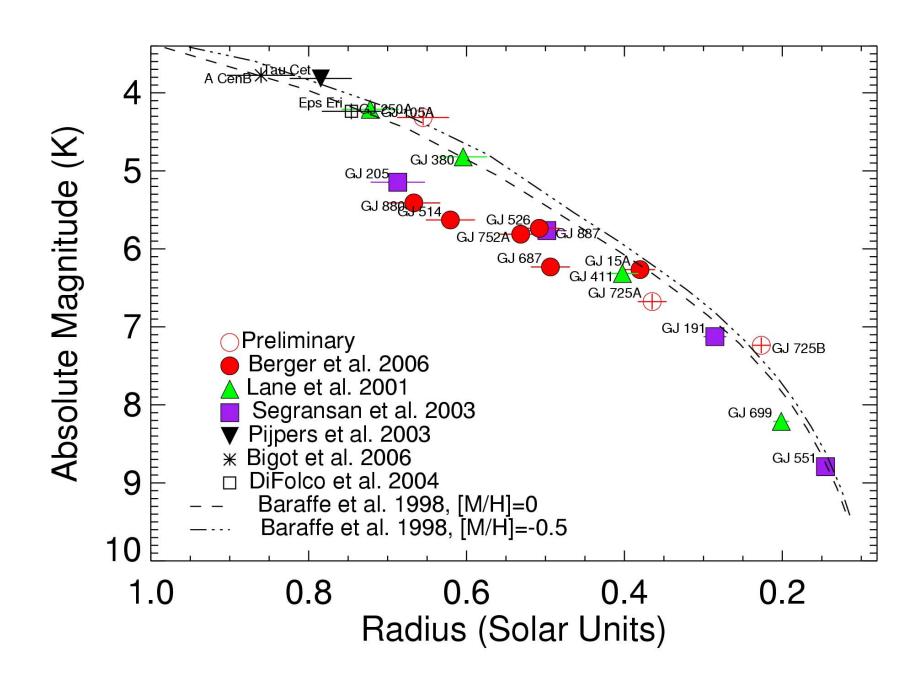








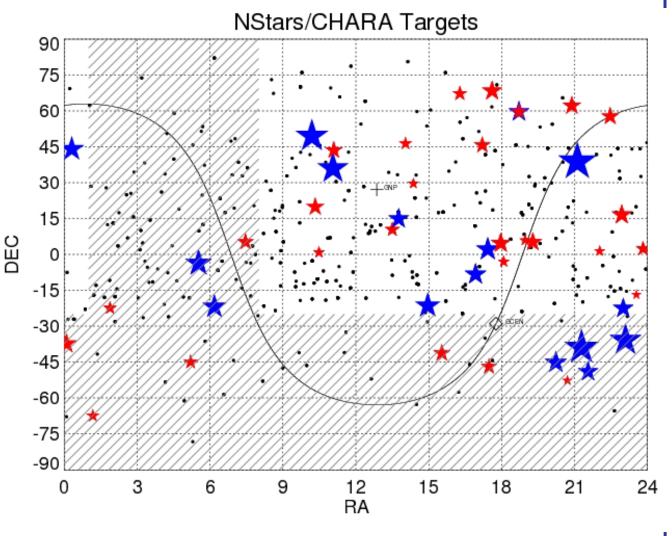




CHARA

The Future

- 6 nights allocated for 2007-1
- CHARA Classic in H and K band (yeah for J?)
- next year: VEGA? CHAMP + MIRC?

















ENJOY THE SNOW! THANKS FOR A GREAT MEETING!

