

























Automated Data Reduction

- Automated editing Fringe > 1.1 Noise Power
- Took approximately 200 minutes to crunch.
- V < 0 and V > 1 thrown away.
- K, H, J and V magnitudes extracted from 2MASS.
- Stars without 2MASS data are thrown away.
- Includes both calibrators and science targets.
- Used as Level 0 data for JMMC Archive.











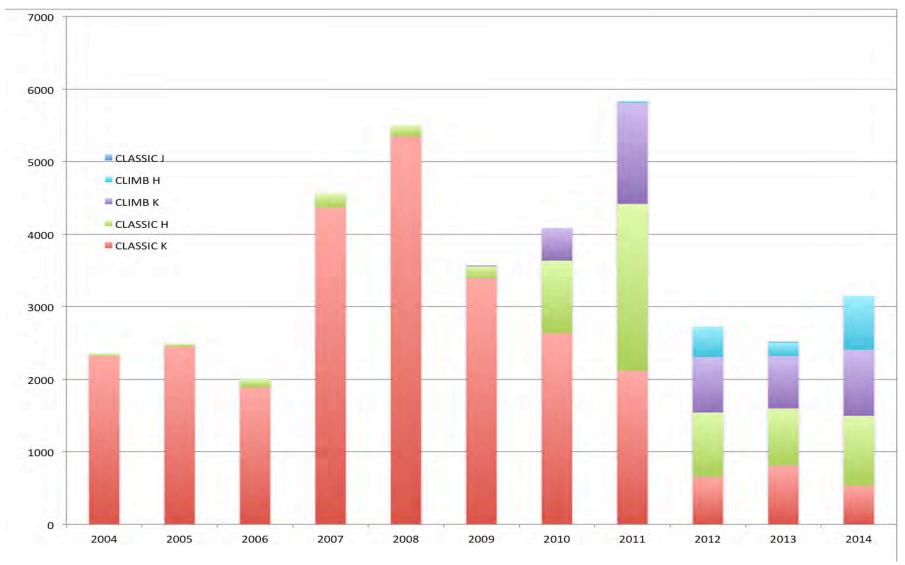








Amount of Data















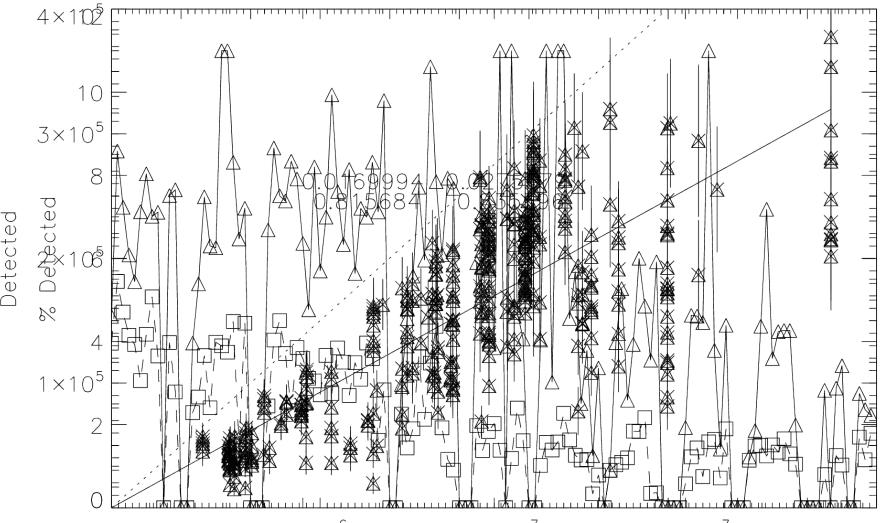








classic &a20it4KOctober



20004 2005 2005602009 2008 2009×2010 2011 2051210013 20142.0×10 Expeated









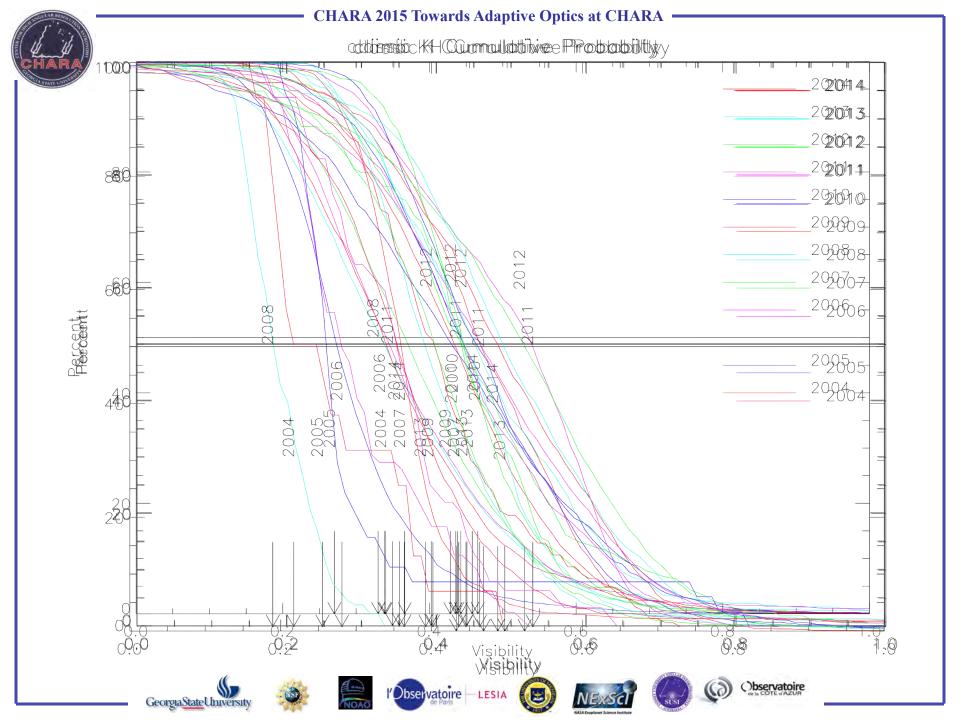






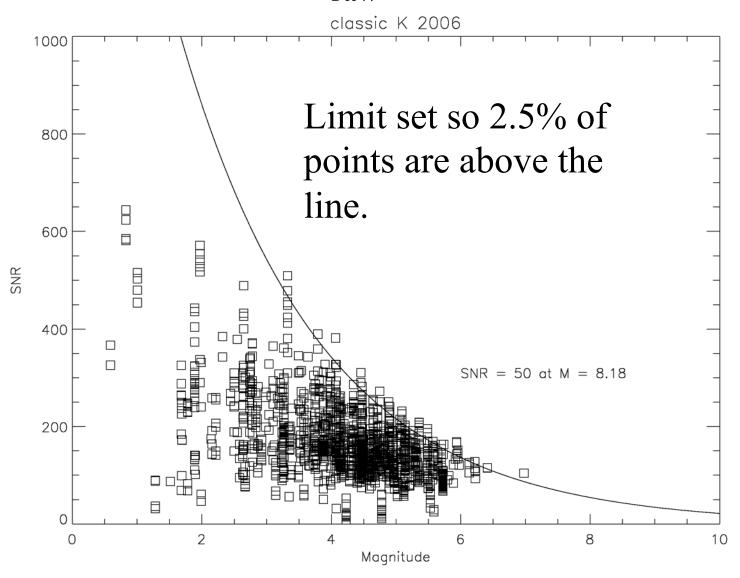








$SNR \sim V_{raw} * sqrt(N)$













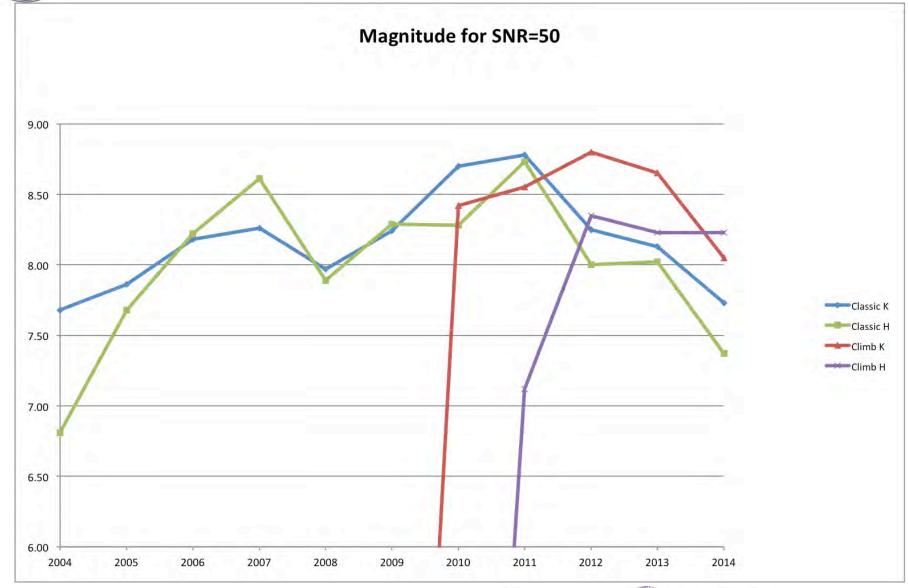




















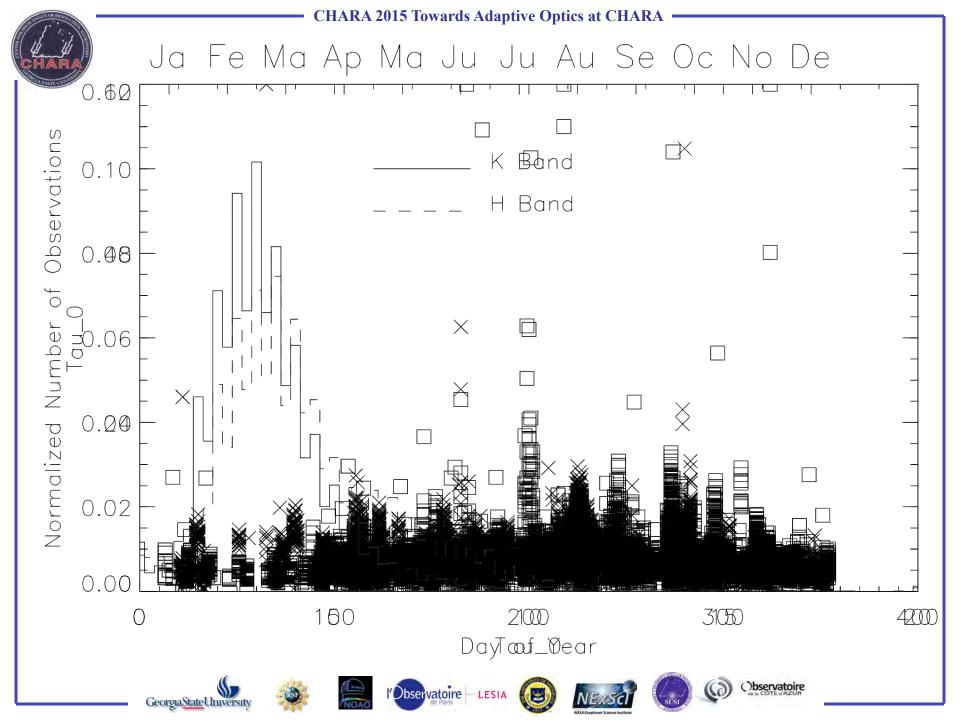






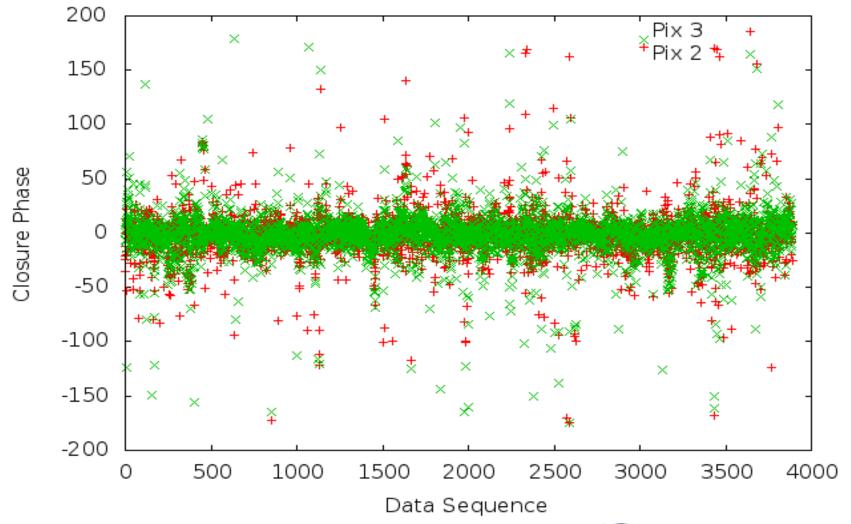








Unedited Closure Phase Signals

















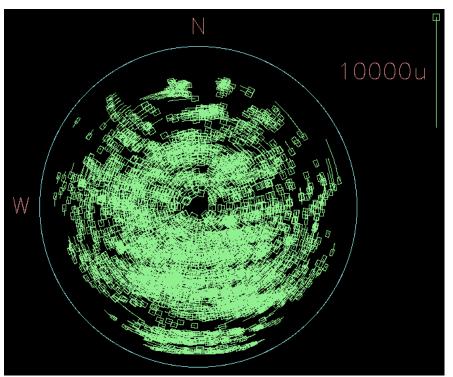


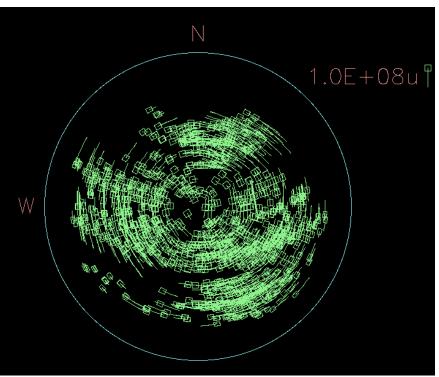




Baseline Solution – Sky Coverage

2013 2014





2014 Data only includes last few months and the telescope positions where fixed.











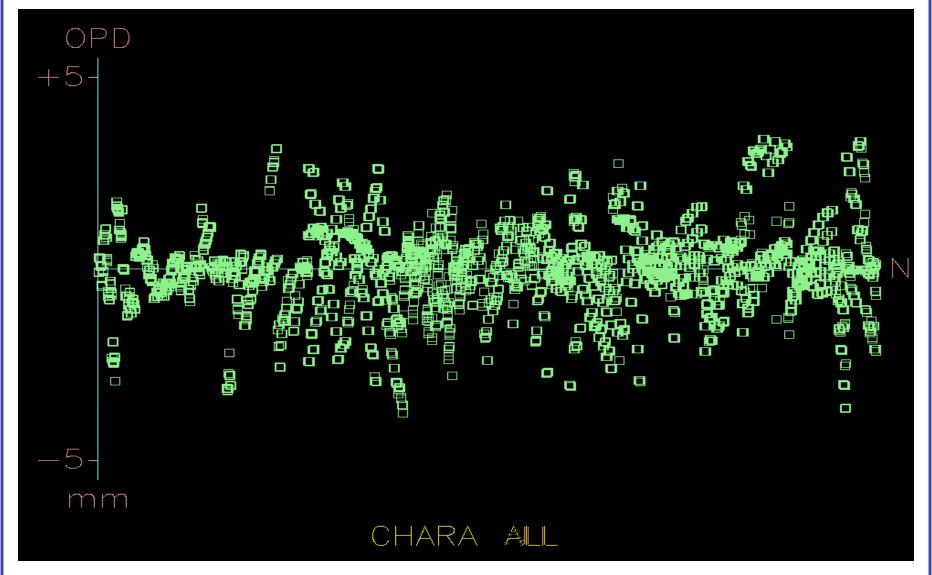








Baseline Solution - Errors















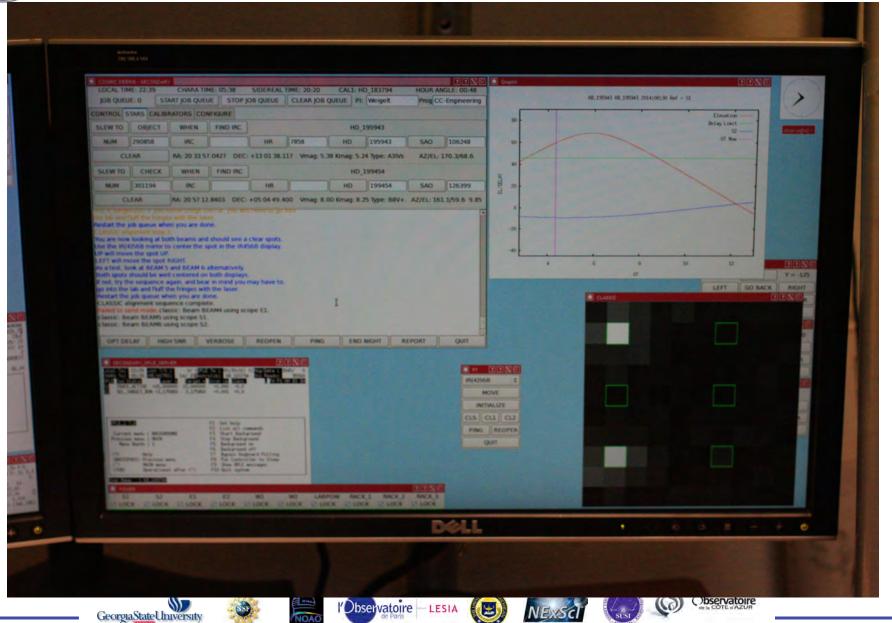






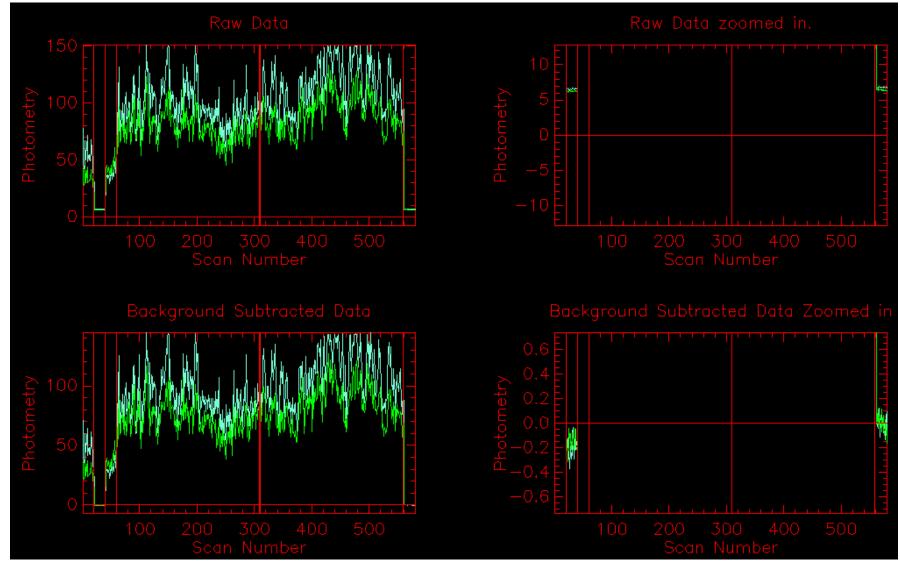


What happened to the MPIfRA Camera?





New Data Sequence – Sky Backgrounds















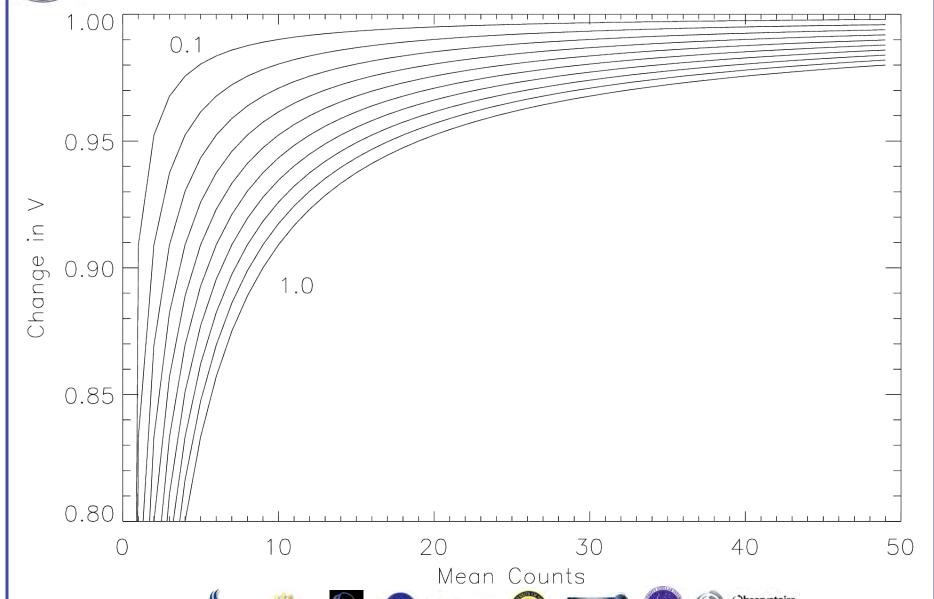








What difference does it make?















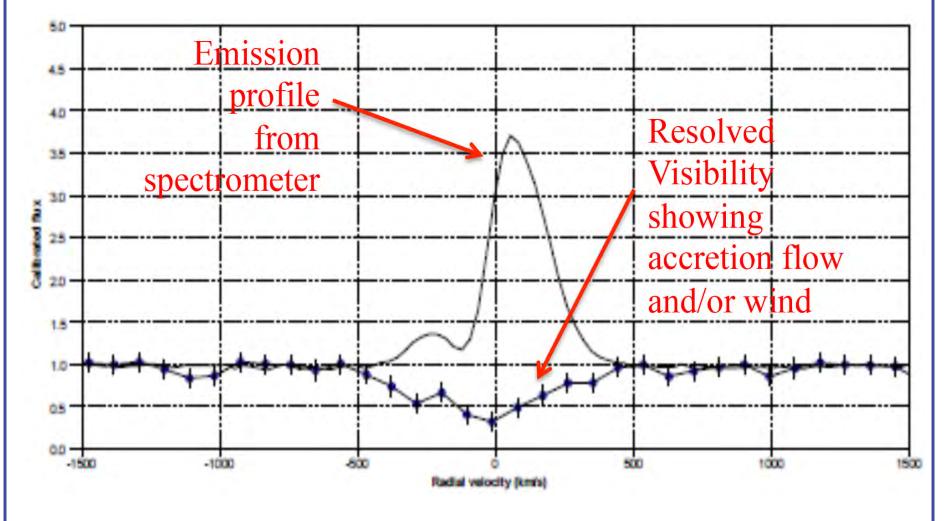








CHARA-AO: Science Rational































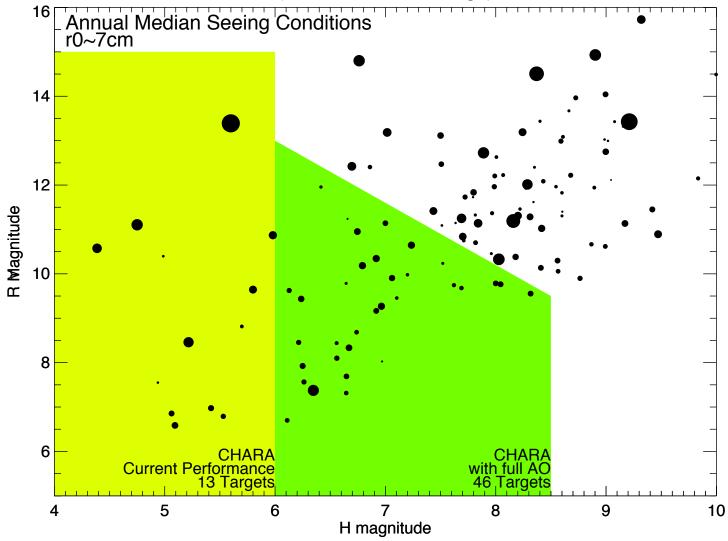








Young Stellar Objects with Disks (Declination > -25 degs)















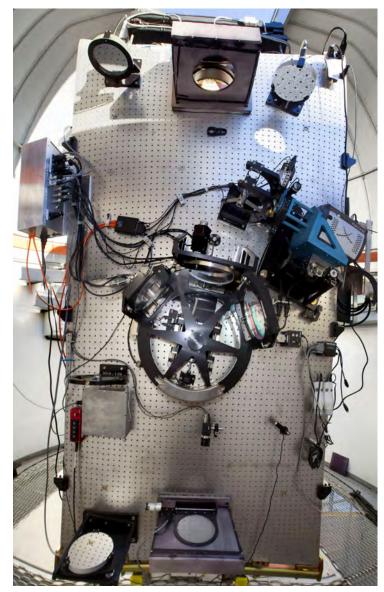


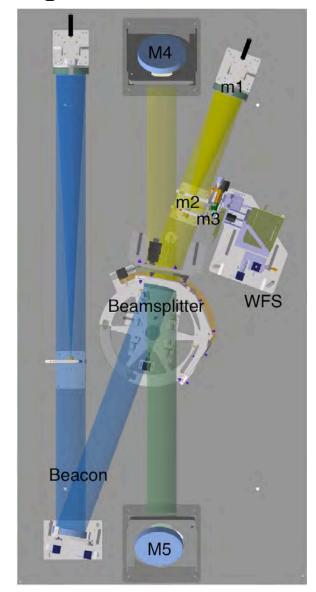






CHARA-AO: Telescope WFS

















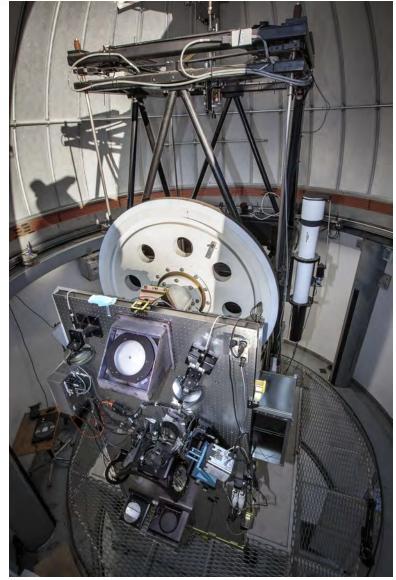


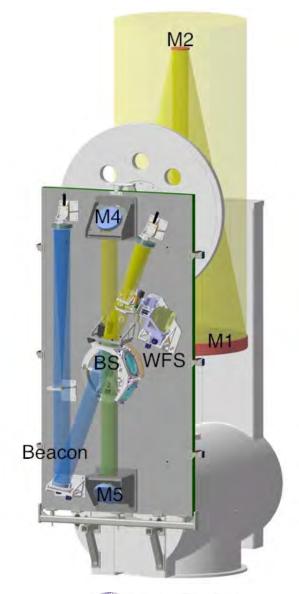






CHARA-AO: Telescope WFS

















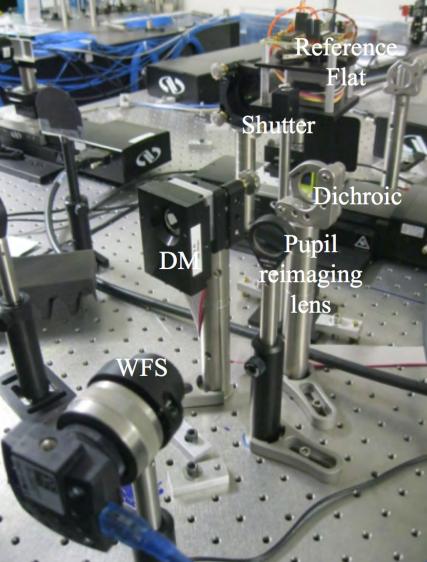


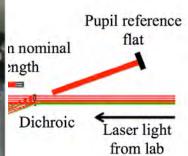






CHARA-AO: Telescope WFS







Star light from Telescope

BRT Secondary











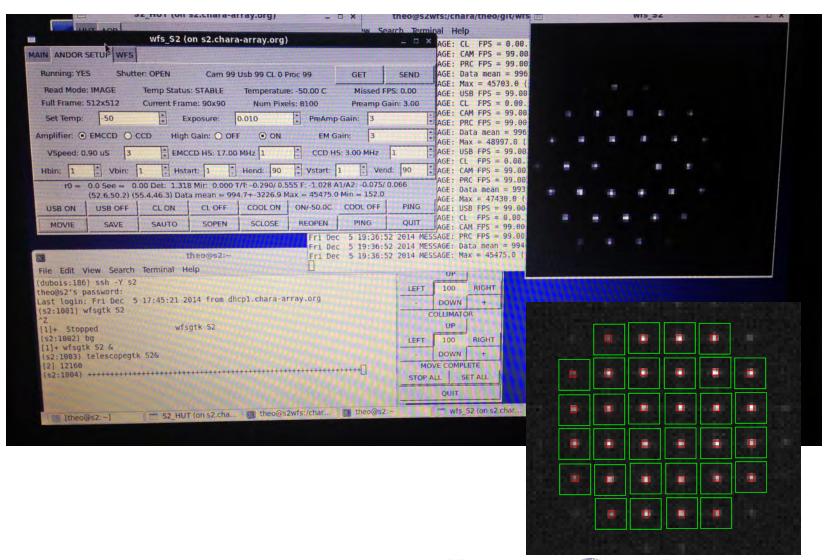








CHARA-AO: Software























... and so what's next?

- The current funding runs out this June, but we expect to complete Phase-I this year.
- An MRI has been submitted (\$1.6M), which is successful, will kick in at about that time or in the fall.
- This MRI proposal will fund large format DMs for installation in the M4 position for fast atmospheric correction.
- If not successful (.... 1/15 chance?) we will try again next year.





































