

CHARA Update

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CHARA MEETINGS

- 2005 Paris
- 2006 Tucson
- 2007 New York
- 2009 Nice
- 2010 Pasadena: Caltech
- 2011 Atlanta

- 2012 Atlanta
- 2013 Flagstaff
- 2014 Ann Arbor
- 2015 Atlanta
- 2016 Nice
- 2017 Pasadena: Carnegie

 Carrying on the

 legacy of Hale





















Paris 2005























Nice 2016























Thanks to the CHARA Staff!



+ Chris Farrington, Norm Vargas, Olli Majoinen (observers), Brenda Stith





















Staff Notes

- Matt Anderson joined staff September 2016
- Five new MSIP positions now advertized
- New Postdoctoral associate as part of GSU "Solar-Stellar Connection" program
- Gail Schaefer's 10 year anniversary
- Laszlo Sturmann's 20 year anniversary
- Brenda Stith will be retiring as
 Business Manager at GSU in Atlanta





















MSIP Open Access

- New NSF/MSIP grant for public archive and open access to guest observers
- Following NOAO semester schedule: 15 nights available in 2017B (Aug – Dec) http://ast.noao.edu/observing/call-for-proposals-2017b
- Plan to expand to 25 nights per semester
- Open to investigators outside the CHARA collaboration
- 12 month proprietary period











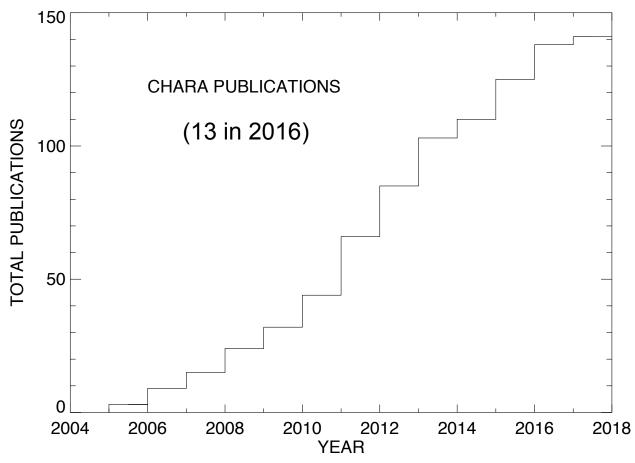








13 Science Publications in 2016: 141 in total (+3 in press)















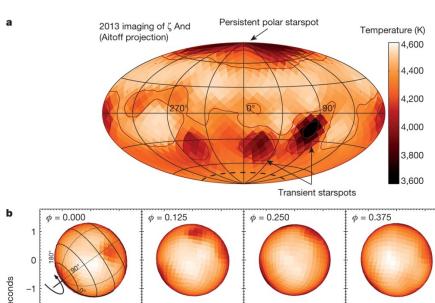


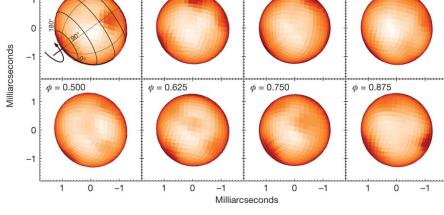






Starspots on Zeta And (Roettenbacher et al.)

















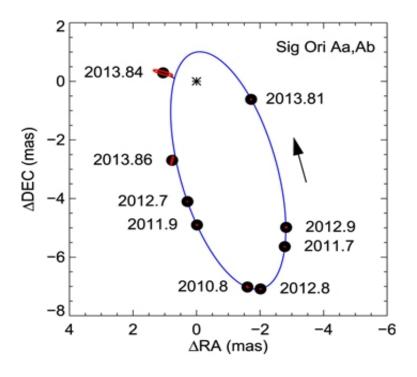








Orbit of sigma Ori (Schaefer et al.)















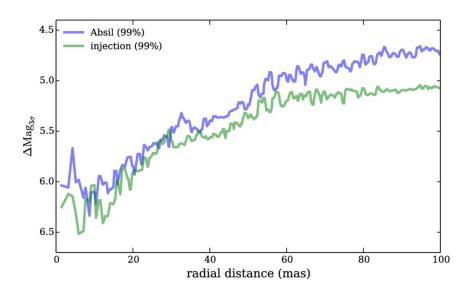








Limits on a companion to delta Cep (Gallenne et al.)



Should be able to detect companions as faint as delta mag = 6.5 (0.25 %) in favorable circumstances.



















CHARA Developments Underway

- Replacement of aging systems (MSIP)
- Adaptive optics installation:
 better efficiency and fainter limits
- MIRC-X: *H*-band replacement for MIRC
- MYSTIC: *K*-band replacement for MIRC
- SPICA: Visual combiner to replace VEGA



















Future Dreams for CHARA

- Limits: 8 telescopes, aperture < 2.5 m
- More baselines?
- Longer baselines?
- Larger aperture telescopes?
- Need your ideas based upon science goals.



















Thanks to:

- Carnegie Observatories
 John Mulchaey (Director), Beverly Fink
- Mount Wilson Institute
 Tom Meneghini (Director)
- LOC
 Theo ten Brummelaar
 Gail Schaefer
 Brenda Stith
- You for your participation here







































