

Charles Baldner

baldner@stanford.edu

HEPL Solar Projects
452 Lomita Mall
Stanford, CA 94305-4085
Phone: 650-724-9047
Web: <http://sun.stanford.edu/~baldner/>

Research Interests

Solar physics, helioseismology: Dynamics of the solar interior; solar interior variability on time scales related to the solar cycle; high precision helioseismic measurements.

Education

Yale University	New Haven, CT
PhD, Astronomy	2011
Macalester College	St. Paul, MN
BA, Mathematics, Physics	2005

Work Experience

Senior Research Scientist, Stanford University	2018 – present
Research Scientist, Stanford University	2011 – 2018
NASA Earth & Space Sciences Fellow, Yale University	2008 – 2011
Graduate Research Assistant, Yale University	2005 – 2008
Research Assistant, Macalester College	2005
Research Assistant, Owens Valley Radio Observatory	2004
Research Assistant, National Solar Observatory	2003
Research Assistant, Macalester College	2002

Awards & Honors

Dirk Brouwer Memorial Prize, Yale University	2011
NASA Earth & Space Sciences Fellowship	2008

Refereed Publications

- Baldner, C. S.,** Bogart, R. S., Basu, S., 2013, “The Sub-surface Structure of a Large Sample of Active Regions”, *Solar Physics*, 287, 265
- Baldner, C. S., et al,** 2013, “Latest Results Found with Ring-Diagram Analysis”, *Solar Physics*, 287, 57
- Baldner, C. S.,** Schou, J., 2012, “Effects of Asymmetric Flows in Solar Convection on Oscillation Modes”, *ApJ*, 760L, 1
- Baldner, C. S.,** Bogart, R. S., Basu, S., 2011, “Evidence for Solar Frequency Dependence on Sunspot Type”, *ApJ*, 733L, 5
- Baldner, C. S.,** Antia, H. M., Basu, S., Larson, T. P., 2009, “Solar Magnetic Field Signatures in Helioseismic Splitting Coefficients”, *ApJ*, 705, 1704
- Baldner, C. S.,** Basu, S., 2008, “Solar Cycle Related Changes at the Base of the Convection Zone”, *ApJ*, 686, 1349