

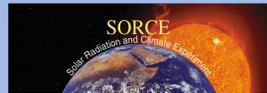


SORCE Undergraduate Researchers

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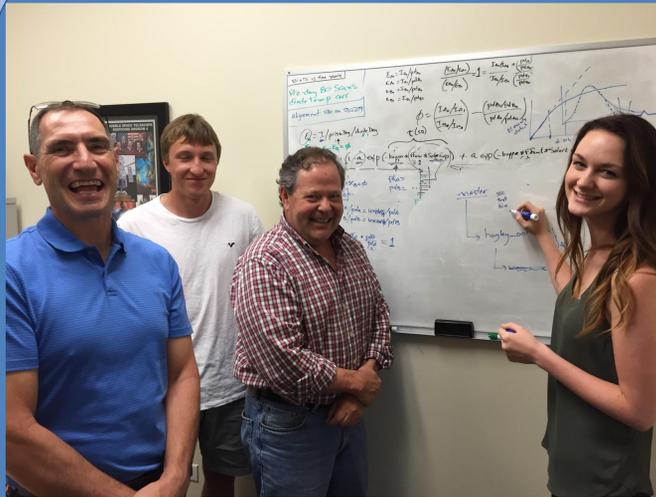
snow@lasp.colorado.edu



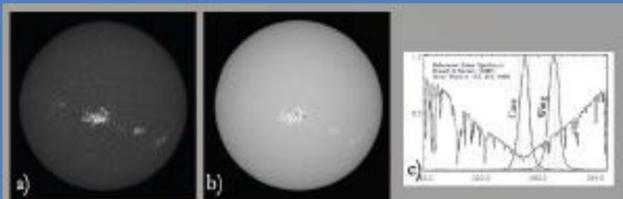
The Solar Radiation and Climate Experiment (SORCE) supports student researchers at the University of Colorado and in partnership with the National Science Foundation through its Research Experience for Undergraduates (REU) program.

<http://lasp.colorado.edu/reu>

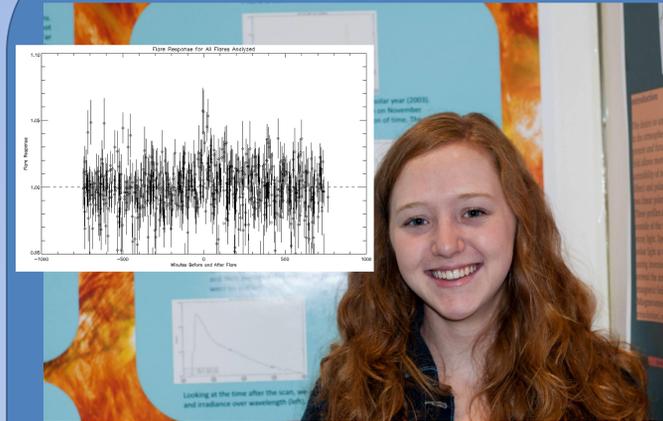
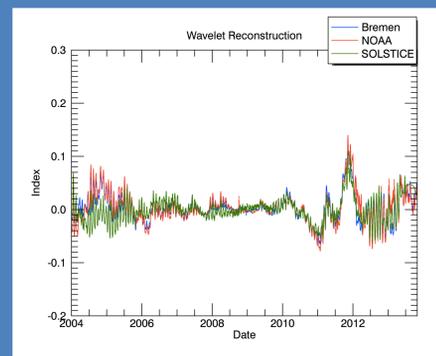
Here are the stories of a few of the young scientists working on SORCE data in 2015.



Hayley Roberts (Illinois Wesleyan) and Jamie Mothersbaugh (Colorado) worked with LASP mentors (Harder, Béland, and Rast) on connecting ground-based images from the Precision Solar Photometric Telescope to SORCE irradiance measurements. Haley will have a poster at AGU (SH23B-2440).



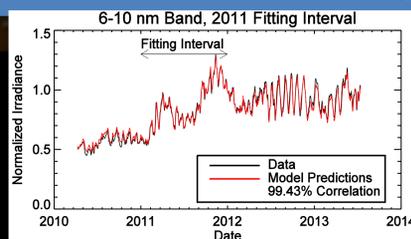
Lindsay Rand (Carleton College) worked on wavelet analysis of the Mg II index records from SOLSTICE and other instruments with mentors Odele Coddington and Marty Snow. Lindsay will have a poster at AGU (SH23B-2439).



Willow Reed (Colorado) is analyzing high resolution SORCE SOLSTICE data to see if we can detect a change in the FUV irradiance continuum during solar flares. She and her mentor, Marty Snow are preparing a manuscript describing her work. Willow won the Charles Barth scholarship from LASP for 2015



Katherine "Wren" Suess (Colorado) worked on SORCE data for several years, first with the REU program and then with funding from Marty Snow's MUSSIC grant from NASA. She developed an EUV solar spectral irradiance proxy model. The model description has been submitted to Space Weather and Space Climate. Wren was the winner of the Barth scholarship in 2014. She is now a graduate student at Berkeley.



Wren and Janet Machol (NOAA)



Julia Zachary (Wesleyan), with mentor Snow from LASP and DeToma from HAO worked on comparisons between SOLSTICE and the Interface Region Imaging Spectrograph (IRIS).

