

The NSF PAARE Projects at SC State

We review our progress over the past 7.5 years and the path forward under the NSF program “Partnerships in Astronomy and Astrophysics Research and Education (PAARE)”. Our first project, “A Partnership in Observational and Computational Astronomy (POCA)” was a part of the 2008 PAARE cohort which we finished on September 30, 2015. We will summarize the results of those years and look at our way forward under a second PAARE award made in August 2014 (POCA II).

Our partnership under the second PAARE award includes South Carolina State University (a Historically Black College/University), Clemson University (a Ph.D. granting institution) as well as individual investigators at NASA Ames and Carnegie Mellon University. Our recent work on variable and peculiar stars, work with the Kepler Observatory and our educational products in cosmology for non-STEM majors will be presented as well as our success with undergraduate and graduate students. We will also discuss how we are sharing resources with Clemson through distance learning and undergraduate research projects.

Our support includes NSF awards AST-0750814 and AST-1358913 to South Carolina State University as well as resources and support provided by Clemson University and the National Optical Astronomy Observatory. Support for the Kepler observations is provided by NASA to South Carolina State University under awards NNX11AB82G and NNX13AC24G. Additional details can be found at: <http://physics.scsu.edu/paare/>