

Rickey (Rick) Daniel Boozer
Greer, SC, USA

Profile

Master of Astronomy in astrophysics. Avid astronomy and physics hobbyist since age 8. Excellent teaching, research and communication skills.

Education

- 2007 - 2009 James Cook University at Townsville, Queensland, Australia
Master of Astronomy in astrophysics formally awarded February 25, 2010. Australian GPA was 6.86 (equivalent to U.S. GPA of 3.90). Australian GPA for final graduate school year was 7.00 (equivalent to U.S. GPA of 4.00).
- 1971-1976 University of South Carolina at Columbia, South Carolina, USA
BSc in geology.

Work Experience

- 2006-Present Tutoring mathematics and physics to secondary and post-secondary students.
- 1977-2006 Software Engineer. Developed applications for industrial process monitoring and control.

Awards and Citations

2009 University Medal awarded by James Cook University Townsville, Australia "For outstanding academic achievement in coursework studies at a Masters level." – March 27, 2009

2008 Dean' List, James Cook University, Townsville, Australia – May 24, 2009

2007 Dean' List, James Cook University, Townsville, Australia – June 22, 2008

Final Year Graduate School Research Projects

The Variability of QSOs – Investigation of both the intrinsic and ISM-induced variability of radiation emitted by QSOs across the entire electromagnetic spectrum. Further covered the ramifications and practical applications related to that variability.

Photometric Search for an Exoplanet Transit of Gliese 876 – Attempted photometric detection of a possible transit of planet c (previously discovered by Doppler method) in the Gliese 876 system based on the assumption that its orbital inclination might be close to 90 degrees. Performed digital processing on a number of images from the University of Tasmania to obtain data of sufficient quality to perform analysis using the differential photometry method. After converting instrumental differential magnitudes to the standard system and performing statistical analysis, it was revealed with a high level of confidence that no planetary transit took place.

Astronomy-related Activities

Creator of astronomy website: <http://www.singularsci.com>. Awarded an open-ended grant of time on remotely located internet-connected telescopes in the northern and southern hemispheres by the Tzec Maun Foundation. Gave presentations related to remote-controlled astrophotography to the Southern Star Astronomical Convention and to various astronomical interest groups.

Member in good standing and former president of the Foothills Astronomical Society in Tryon, NC, former vice-president of Roper Mountain Astronomers in Greenville, SC, and former president of Spartanburg Astronomical Society in Spartanburg, SC.

Owner of the following instruments: 45 cm Newtonian on Dobsonian mount equipped with digital setting circles and home-made alt-azimuth tracking drive, 200 mm Newtonian/Dobsonian, 150 mm German equatorial mounted Cassegrainian, 127 mm Maksutov-Cassegrainian on combination alt-azimuth/polar fork-mount with digital control, 150 mm collapsible Newtonian/Dobsonian made to fit into jetliner overhead compartment (all custom made by me, including the optics), and 40 mm hydrogen alpha solar telescope.