

Gregory E. Taylor

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Education

B.S. Physics, *University of Utah*, Salt Lake City, Utah, 2007.

M.S. Astronomy, *New Mexico State University*, Las Cruces, New Mexico, 2011.

Ph.D. Astronomy, *New Mexico State University*, Las Cruces, New Mexico, 2014.

Employment

Research Assistant, *NMSU Department of Astronomy*
(May 2008 - Dec 2013).

Research Interests

Adaptive Optics.

Solar Physics.

Galactic Evolution.

Publications

Refereed Journal Articles

Taylor, G. E., Schmidt, D., Marino, J. Rimmale, T. R., McAteer, R. T. J. 2014, *Performance Testing of an Off-Limb Solar Adaptive Optics System* Submitted to Solar Physics.

Hoffman, D. I.; Harrison, T. E.; Coughlin, J. L.; McNamara, B. J.; Holtzman, J. A.; Taylor, G. E.; Vestrand, W. T. *New Beta Lyrae and Algol Candidates from the Northern Sky Variability Survey 2009*, *AJ*, 136, 1067.

Conference Proceedings

Taylor, G. E., Rimmale, T. R., Marino, J., McAteer, R. T. J. 2013, in Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series, Vol. 8862, Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series

Taylor, G. E., Rimmale, T. R., Marino, J., Tritschler, A., McAteer, R. T. J. 2012, in Astronomical Society of the Pacific Conference Series, Vol. 463, Second ATST-EAST Meeting: Magnetic Fields from the Photosphere to the Corona., ed. T. R. Rimmale, A. Tritschler, F. Wöger, M. Collados Vera, H. Socas-Navarro, R. Schlichenmaier, M. Carlsson, T. Berger, A. Cadavid, P. R. Gilbert, P. R. Goode, & M. Knölker, 321

Recent Presentations

Taylor, G. E. *et al.*, “An Off-Limb Solar Adaptive Optics System: Design and Testing”, Talk given at SPIE Photonics West, San Diego, CA, August 2013.

Taylor, G. E. *et al.*, “Solar Limb AO: A Test of a Phase-Diversity Sensor and Algorithms”, Poster given at the ATST-EAST conference, Washington, DC, November 2011.

Taylor, G. E. *et al.*, “Solar Limb AO: Seeing the Hidden Detail in Solar Prominences”, Poster given at the AAS SPD meeting, Las Cruces, NM, June 2011

Meetings Attended

August 2013: *SPIE Photonics West*, San Diego, CA

April-May 2012: *NSO Summer Workshop #26*, Sunspot, NM

November 2011: *ATST-EAST*, Washington, DC

July 2011: *Summer School in Heliophysics*, Boulder, CO

June 2011: *AAS Solar Physics Division Meeting*, Las Cruces, NM

July 2009: *Summer School in Statistics for Astronomers V*, Center for Astrostatistics, Pennsylvania State University

June 2009: *Unveiling the Mass - Extracting and Interpreting Galaxy Masses*, Queen’s University, Canada

Awards and Honors

Fall 2010: Recipient of an NMSU Graduate Research Enhancement Grant

Computer Skills

Proficient in the C Programming Language and derivatives of C.

Proficient in the Perl Programming Language and the Perl Data Language.

A working knowledge of the IDL Programming Language.

Confident with the UNIX and LINUX operating systems.

Serviceable at HTML and its derivatives.

Other Relevant Interests

Archaeoastronomy.

Linguistics as it relates to archaeoastronomy.

Amateur telescope making.

Astrophotography.

Public outreach.

Language Skills

Fluent in Spanish.

Can read French, Italian, Portuguese, and Latin.

Can also read German (with some difficulty).