

Michael J. Herman

Contact Information

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Education

2009-Present

Pursuing M. Sc. in Physics. Advisor: Dr. David J. Raymond.

2005-2009

B. Sc. in Physics (Atmospheric Option) with highest honors and Minor in Mathematics.
New Mexico Tech, Socorro, New Mexico, USA.

Employment

2009-Present

Research Assistant. Geophysical Research Center, New Mexico Tech.
Advisor: Dr. David J. Raymond.

2005-2009

Student Worker. Geophysical Research Center, New Mexico Tech.
Projects included software development, atmospheric data analysis,
website design and maintenance, remote data/web support
for the TCS-08 project field campaign.

2003-2005

College Tutor. Santa Fe Community College, Santa Fe, New Mexico, USA.
Subjects: English grammar, mathematics, writing composition, chemistry.

Conferences

May, 2010

29th Conference on Hurricanes and Tropical Meteorology (poster).
American Meteorological Society, Tuscon, AZ.
M. Herman and D. J. Raymond: *Convective Quasi-Equilibrium Revisited, Part II: Cloud Resolving Model Simulations*

October, 2009

Tropical Cyclone Structure Science Workshop (talk).

Naval Postgraduate School, Monterey, CA.

M. Herman, C. Lopez-Carrillo, J. Cisneros and A. Gallegos: *A Graphical Web Catalog for TCS-08 Radar, In Situ and Dropsonde Data*

March, 2009

First Numerical Weather and Climate Modeling Workshop (attendee).

Environmental Modeling Center (NCEP/NOAA), Camp Springs, MD, USA.

Special Skills

- Programming and Analysis Software: C, Python, Candis, Octave, Maple, Matlab, GRI.
- Familiarity with Unix, Linux, Mac OS and Windows environments.
- Proofreading, editing.
- Website design and automation.

Awards

Scholarship

Phi Theta Kappa academic award.

Abraham and Esther Brook Prize

For excellence in physics at the junior undergraduate level.

Albert Petscheck Award

For excellence in theoretical physics.

Memberships

- AIP - American Institute of Physics
- AMS - American Meteorological Society
- Phi Theta Kappa - Two-year college honor society
- Sigma Pi Sigma - The National Physics Honor Society
- SPS - Society of Physics Students