

# Curriculum Vitae - Nancy J. Chanover

Department of Astronomy  
Box 30001/MSC 4500  
New Mexico State University  
Las Cruces, New Mexico 88003-0001  
(575) 646-2567 (Work)  
(575) 646-1602 (FAX)  
nchanove@nmsu.edu

## Education

Ph.D. (Astronomy; Physics minor): New Mexico State University, Las Cruces, NM, May 1997  
M.S. (Astronomy): New Mexico State University, Las Cruces, NM, Nov. 1994  
B.A. (Physics): Wellesley College, Wellesley, MA, June 1991

## Professional Appointments

Assistant Professor: Astronomy Department, NMSU, Aug. 2008 - present  
College Assistant Professor: Astronomy Department, NMSU, Aug. 1998 - Aug. 2008  
Tombaugh Scholar: Astronomy Dept., NMSU, Aug. 2000 - Aug. 2001, Aug. 2002 - Aug. 2003  
Visiting Professor: Astronomy Dept., NMSU, Aug. 2001 - Aug. 2002  
NRC Postdoctoral Research Associate: NASA/GSFC, May 1997 - Aug. 1998

## Academic Interests

Planetary Atmospheres (Venus, Mars, giant planets, Titan)  
Atmospheric Physics (Radiative Transfer, Dynamics and Structure)  
Astrobiology  
Astronomical Instrumentation  
Planetary Data Archives  
Science Education & Public Outreach

## Professional Memberships

American Astronomical Society (& Division for the Planetary Sciences)  
American Geophysical Union  
Astronomical Society of the Pacific  
Association for Women in Science  
Sigma Xi

## Recent Professional Service

Reviewer for professional journals *Geophys. Res. Lett.*, *Icarus*, *Journal of Geophys. Res.* (ongoing)  
NASA Cassini Data Analysis Program Review Panel (2007)  
IRTF Time Allocation Committee (2003-2004)  
NASA Outer Planets Research Program Review Panel (2005)  
NASA Planetary Atmospheres Review Panel (2004)  
Hubble Space Telescope Time Allocation Committee (2003)

## Publications

- Marty, B. and 56 coauthors (2008). Kronos: exploring the depths of Saturn with probes and remote sensing through an international mission. *Exp. Astron.* doi:10.1007/s10686-008-9094-9.
- Anderson, C. M., E. F. Young, N. J. Chanover, and C. P. McKay (2007). HST spectral imaging of Titan's haze and methane profile between 0.6 and 1  $\mu\text{m}$  during the 2000 opposition. *Icarus* **194**, 721-745.
- Simon-Miller, A. A., N. J. Chanover, G. S. Orton, M. Sussman, I. G. Tsavaris, and E. Karkoschka (2006). Jupiter's White Oval turns red. *Icarus* **185**, 558-562.
- Slanger, T. G., D. L. Huestis, P. C. Cosby, and N. J. Chanover (2006). The Venus nightglow: Ground-based observations and chemical mechanisms. *Icarus* **182**, 1-9.
- Kahre, M. A., J. R. Murphy, N. J. Chanover, J. L. Africano, L. C. Roberts, Jr., and P. W. Kervin (2005). Observing the Martian surface albedo pattern: Comparing the AEOS and TES data sets. *Icarus* **179**, 55-62.
- Temma, T., N. J. Chanover, D. A. Glenar, J. J. Hillman, D. M. Kuehn, A. A. Simon-Miller (2005). Vertical structure modeling of Saturn's equatorial region using high spectral resolution imaging. *Icarus* **175**, 464-489.
- Vincent, M. B., N. J. Chanover, R. F. Beebe, and L. Huber (2005). Calibration of the Infrared Telescope Facility National Science Foundation Camera Jupiter Galileo data set. *Publ. Astron. Soc. Pacific* **117**, 1129-1143.
- Anderson, C. M., N. J. Chanover, C. P. McKay, P. Rannou, D. A. Glenar, and J. J. Hillman (2004). Titan's haze structure in 1999 from spatially resolved narrowband imaging surrounding the 0.94  $\mu\text{m}$  methane window. *Geophys. Res. Lett.* **31**, L17S06, doi:10.1029/2004GL019857.
- Chanover, N.J., C.M. Anderson, C.P. McKay, P. Rannou, D.A. Glenar, J.J. Hillman, and W.E. Blass (2003). Probing Titans lower atmosphere with acousto-optic tuning. *Icarus* **163**, 150163.
- Simon-Miller, A. A. and N. J. Chanover (2003). Planetary Astronomy: Recent Advances and Future Discoveries with Small Aperture Telescopes. In *The Future of Small Telescopes in the New Millennium III. Science in the Shadow of Giants* (T. Oswalt, Ed.). Kluwer Academic Press, New York, pp. 37-55.
- Stephens, D. C., M. S. Marley, K. S. Noll, and N. Chanover (2001). L-Band Photometry of L and T Dwarfs. *Astrophys. J.*, **556**, L97.
- Chanover, N. J., J. J. Hillman, and D. A. Glenar (1998). Multispectral near-IR imaging of Venus nightside cloud features. *J. Geophys. Res.* **103**, 31 335.
- Chanover, N. J., D. M. Kuehn, and R. F. Beebe (1997). Vertical structure of Jupiter's atmosphere at the Galileo probe entry latitude. *Icarus* **128**, 294-305.
- Chanover, N. J., D. M. Kuehn, D. Banfield, T. Momary, R. F. Beebe, K. H. Baines, P. D. Nicholson, A. A. Simon, and A. S. Murrell (1996). Absolute reflectivity spectra of Jupiter: 0.25 - 3.5 microns. *Icarus* **121**, 351.
- Lederer, S. M., M. S. Marley, B. Mosser, J. P. Maillard, N. J. Chanover, and R. F. Beebe (1995). Albedo features and Jovian seismology. *Icarus* **114**, 269-277.
- French, R. G., P. D. Nicholson, M. L. Cooke, J. L. Elliot, K. Matthews, O. Perkovic, E. Tollestrup, P. Harvey, N. J. Chanover, M. A. Clark, E. W. Dunham, W. Forrest, J. Harrington, J. Pipher, A. Brahic, I. Grenier, F. Roques, and M. Arndt (1993). Geometry of the Saturn system from the 3 July 1989 occultation of 28 SGR and Voyager observations. *Icarus* **103**, 163-214.