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► Relevant experience

Mike Wong is a researcher at the University of California at Berkeley (Astronomy Department) and at the University of Michigan (AOSS Department). His analysis of data from the mass spectrometer on the Galileo probe launched his interest in cloud-forming gases in Jupiter's atmosphere. Later, he participated with the Cassini/CIRS team in the discovery of the signature of ammonia ice in Jupiter's thermal spectrum. With Franck Marchis, he discovered the first moonlet binary (the Hektor system) among the Trojan asteroids. He used the Hubble Space Telescope to image the color change of Oval BA and the 2009 impact site on Jupiter. The 2009 impact data were the first science data ever taken with the Wide Field Camera 3, an instrument that he helped calibrate at the Space Telescope Science Institute. Mike Wong is a Mars Science Laboratory Collaborator, working with the Sample Analysis at Mars (SAM) and Rover Environmental Monitoring Station (REMS) teams.

► Education and professional experience

Ph.D. and M.S. in Atmospheric and Space Sciences. (April 2001, June 1998) University of Michigan, Ann Arbor.

A.B. in Astrophysics. (May 1994) University of California, Berkeley (with honors).

Assistant Researcher (July 2008–present), **Associate Specialist** (June 2006–June 2008), **Postdoctoral scholar** (Sept. 2003–May 2006), **Lecturer** (Summer 2004, 2005, 2007, 2008). UCB Astronomy Department.

Visiting Research Scientist. (Mar 2012–Aug 2014) University of Michigan, Department of Atmospheric, Oceanic, and Space Sciences. **MSL Collaborator.** (Mar 2012–present) Sample Analysis at Mars instrument suite.

Visiting Scientist. (Feb 2009–Feb 2010) Space Telescope Science Institute.

National Research Council Research Associate. (May 2001–July 2003) NASA Goddard Space Flight Center.

► Select recent publications

Wong, M.H., S.K. Atreya, W.R. Kuhn, P.N. Romani, K.M. Mihalka (2015) Fresh clouds: A parameterized updraft method for calculating cloud densities in one-dimensional models. *Icarus* 245, 273–281.

Wong, M.H., S.K. Atreya, P.R. Mahaffy, H.B. Franz, C. Malespin, M.G. Trainer, P.G. Conrad, H.L.K. Manning, R.O. Pepin, R.H. Becker, C.P. McKay, T.C. Owen, R. Navarro-González, J.H. Jones, B.M. Jakosky, A. Steele (2013) Isotopes of nitrogen on Mars: Atmospheric measurements by Curiosity's mass spectrometer. *Geophysical Research Letters* 40, 6033–6037.

Wong, M.H., de Pater, I., Asay-Davis, X.S., Marcus, P.S., Go, C.Y. (2011) Vertical structure of Jupiter's Oval BA before and after it reddened: What changed? *Icarus* 215, 211–225.

Wong, M.H. (2011) Fringing in the WFC3/UVIS detector, in *Proceedings of the 2010 STScI Calibration Workshop* (S. Deustua and C. Oliveira, eds.), Space Telescope Science Institute, Baltimore, MD.

Wong, M.H., J. Lunine, S.K. Atreya, T. Johnson, P.R. Mahaffy, T.C. Owen, T. Encrenaz (2008) Oxygen and other volatiles in the giant planets and their satellites, in *Reviews in Mineralogy and Geochemistry Vol. 68: Oxygen in the Solar System*, Chapter 10 (G.J. MacPherson, D.W. Mittlefehldt, J. Jones, and S.B. Simon, eds.), Mineralogical Society of America, Chantilly, VA.

Wong, M.H., G.L. Bjoraker, M.D. Smith, F.M. Flasar, C.A. Nixon (2004) Identification of the 10- μ m ammonia ice feature on Jupiter. *Planetary and Space Science* 52, 385–395.

► Scientific, technical, and management performance

Mike Wong has demonstrated scientific and technical experience on numerous research efforts, and management experience in both student research (several projects leading to presentations and publications, including one *Icarus* paper led by a student) and technical book editing (*WFC3 Instrument Handbook*, 2010). He has been awarded funding in 2011 for two archival HST projects and one NASA OPR program, leading to a new tool available at the STScI archive, many conference papers, and a 2015 paper.