

Curriculum Vita

Ellen S. Howell

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Citizenship – USA

Education

Ph.D. Planetary Science, December 1995 University of Arizona, Tucson
Advisor: Dr. Larry A. Lebofsky

B.S. Geophysics, June 1983 California Institute of Technology, Pasadena CA

Research Experience

July 2015-present Research Faculty, University of Arizona, Lunar and Planetary Lab
Oct 2011–June 2015 Scientist, University Space Research Association/Arecibo Obs.

- Spectral and Imaging Analysis for OSIRIS-REx mission
- Radar observation and analysis of near-Earth asteroids
- Observation and analysis of 18-cm OH lines in comets

2001–Sep 2011 Research Associate, Arecibo Observatory, Cornell University
1998–2001 Research Associate/Computer Specialist, Arecibo Observatory
1995–1999 Post-Doctoral Fellow, Geology Department, University of
Puerto Rico, Mayagüez

1 Selected Publications

- Fernandez, Y. R., J.-Y. Li, E. S. Howell, and L. M. Woodney 2015. Asteroids and Comets. In *Treatise on Geophysics, Second Edition, in press*.
- Harmon, J. K., M. C. Nolan, E. S. Howell, J. D. Giorgini, and P. A. Taylor 2011. Radar Observations of Comet 103P/Hartley 2. *ApJ Letters* **734**, L2+.
- Harmon, J. K., M. C. Nolan, J. D. Giorgini, and E. S. Howell 2010. Radar observations of 8P/Tuttle: A contact-binary comet. *Icarus* **207**, 499–502.
- Nolan, M. C., J. K. Harmon, E. S. Howell, D. B. Campbell, and J.-L. Margot 2006. Detection of large grains in the coma of Comet C/2001 A2 (LINEAR) from Arecibo radar observations. *Icarus* **181**, 432–441.
- Nolan, M. C., C. Magri, E. S. Howell, L. A. M. Benner, J. D. Giorgini, C. W. Hergenrother, R. S. Hudson, D. S. Lauretta, J.-L. Margot, S. J. Ostro, and D. J. Scheeres 2013. Shape model and surface properties of the OSIRIS-REx target Asteroid (101955) Bennu from radar and lightcurve observations. *Icarus* **226**, 629–640.
- Howell, E. S., A. J. Lovell, B. Butler, and F. P. Schloerb 2007. Radio OH observations of 9P/Tempel 1 before and after Deep Impact. *Icarus* **187**, 228–239.