Colin M. Dundas — Curriculum Vitae

Contact

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Education

Fourth-year Doctoral Student, Planetary Science, University of Arizona
- Passed oral comprehensive examination, Nov 2006
- Advisor: Professor Alfred McEwen
- Minor: Geosciences

B.S. with honors, Planetary Science, Caltech, 2004

Experience

Jan 2005-present: Graduate Research Assistant, University of Arizona (Prof. Alfred McEwen)

Aug 2004-May 2005: Graduate Teaching Assistant, University of Arizona (Prof. Larry Lebofsky)

Research Activities

University of Arizona

Fall 2006-present	Morphology of Martian cratered cones and fractured mounds
Spring 2005-2006	Secondary cratering by Tycho Crater on the Moon

Caltech

Spring 2004	Cratering record of the Martian South Polar Layered Deposits
Summer 2003	Surface roughness of Mars using Mars Orbiter Camera stereo
Summer 2002	Laser mass spectrometry of minerals

Professional Activities

Co-leader, three-day PtyS 554 (Planetary Surfaces) class fieldtrip to Meteor Crater and the San Francisco Volcanic Field, April 2007

Organized department student Journal Club talks, 2006/07

Participant, Eighth NASA Planetary Volcanology Field Workshop, August 2005

Honors and Awards

Imaging Fellowship, University of Arizona, 2007/08

Graduate College Registration Scholarship, 2005/06, 2006/07, 2007/08

Galileo Circle Scholar, University of Arizona, 2005

Professional Societies

Geological Society of America (Planetary Geology Division)

American Geophysical Union

Outreach

Wrote captions for weekly HiRISE public image releases, Jan 2007-present

Publications

Dundas, C. M., McEwen, A. S., 2006. Rays and Secondary Craters of Tycho. Icarus 186, 31-40.

Conference Abstracts

Jaeger, W., Keszthelyi, L., McEwen, A., **Dundas, C. M.,** Russell, P. S., 2007. Early HiRISE Observations of Athabasca Valles, Mars: A Volcanic Landscape. Geological Society of America Annual Meeting, Abstract #197-5.

Keszthelyi, L., Jaeger, W., McEwen, A., Tornabene, L., Beyer, R., **Dundas, C.,** Milazzo, M., 2007. The First Year of Studying Mars Volcanism with HiRISE. Geological Society of America Annual Meeting, Abstract #197-4.

Dundas, C. M., Mellon, M. T., Lefort, A., Thomas, N., Keszthelyi, L. P., McEwen, A. S., HiRISE Team, 2007. HiRISE Observations of Fractured Mounds: Possible Martian Pingos. 7th Mars Conference, Abstract #3214.

Jaeger, W. L., Keszthelyi, L. P., McEwen, A. S., **Dundas, C. M.,** Russell, P. S., 2007. The Recent Geologic History of Athabasca Valles, Mars, as Revealed by HiRISE. 7th Mars Conference, Abstract #3394.

Dundas, C. M., Keszthelyi, L. P., McEwen, A. S., HiRISE Team, 2007. Initial HiRISE Observations of Cratered Cone Groups on Mars. LPSC XXXVIII, Abstract #2116.

Dundas, C. M., Okubo, C., McEwen, A. S., HiRISE Team, 2007. Early HiRISE Observations of Fractured Mounds. LPSC XXXVIII, Abstract #2173.

Jaeger, W. L., Keszthelyi, L. P., McEwen, A. S., **Dundas, C. M.,** Russell, P. S., HiRISE Team, 2007. Early HiRISE Observations of Ring/Mound Landforms in Athabasca Valles, Mars. LPSC XXXVIII, Abstract #1955.

Keszthelyi, L. P., Jaeger, W. L., McEwen, A., **Dundas, C.,** HiRISE Team, 2007. Early HiRISE Imaging of Volcanic Terrains. LPSC XXXVIII, Abstract #1978.

Weitz, C. M., McEwen, A. S., Okubo, C. H., Russell, P., Grant, J. A., **Dundas, C.,** Bridges, N., HiRISE Team, 2007. Early HiRISE Observations of Light-Toned Layered Deposits. LPSC XXXVIII, Abstract #1442.

Dundas, C. M., McEwen, A. S., 2005. Secondary Craters and Rays of Tycho. Geological Society of America Annual Meeting, Abstract #94541.

Murray, B., Byrne, S., Marsden, P., **Dundas, C.,** 2004. Implications of the Anomalous Cratering Record of the South Layered Deposits. American Geophysical Union Fall Meeting, Abstract #P41A-0889.

Shen, A. H., **Dundas, C. M.,** Ahrens, T. J., Beauchamp, J. L., 2002. Chemical speciation in laser-desorption and impact-induced vapor in minerals. American Geophysical Union Fall Meeting, Abstract #P22B-0407.