

Daniel Ethan Horton

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EDUCATION

University of Michigan, Ann Arbor, MI (2006-present)

Ph.D. Candidate, Geological Sciences, Advisor: Christopher J. Poulsen

Dissertation: Ice Sheet Dynamics of the Late Paleozoic Ice Age

United States Air Force, Keesler Air Force Base, Biloxi, Mississippi (2005)

Officer Combat Weather Team Operations Course, Distinguished Graduate

United States Air Force, Keesler Air Force Base, Biloxi, Mississippi (2002)

Weather Officer Course

Texas A&M University, College Station, TX (2001-2002)

B.S., Atmospheric Science, Advisor: Kenneth P. Bowman

Tulane University, New Orleans, LA (1996-2001)

B.S., Physics; Academic Minor, Geology, Cum Laude

Advisors: Physics: Wayne F. Reed, Geology: Nancye P. Dawers

WORK EXPERIENCE

Graduate Student Mentor, University of Michigan, Ann Arbor (2008-present)

Graduate Student Instructor, University of Michigan, Ann Arbor (2007-present)

Global Change 1: Physical Processes Laboratory and Discussion, Introduction to Rocky

Mountain Field Geology, University of Michigan Camp Davis Field Station, WY,

Introduction to Oceanography Laboratory

Research Assistant, University of Michigan, Ann Arbor (2006-present)

Deputy Flight Commander, United States Air Forces in Europe, 31st Operations Support

Squadron, Weather Flight, Aviano Air Base, Italy (2005-2006)

Assistant Flight Commander, United States Air Force in Europe, Operational Weather

Squadron, Sembach Air Base, Germany (2002-2005)

Trail Boss, South Whidbey AmeriCorps Environmental Education and Restoration Team,

Langlely, Washington (1998-1999)

AWARDS AND SERVICE

Outstanding Graduate Student Instructor, Rackham Graduate School, University of Michigan (2009)

Outstanding Graduate Student Instructor, Geological Sciences, University of Michigan (2009)

Faculty Student Representative, Geological Sciences, University of Michigan (2008-present)

Rocky Mountain Association of Geologist Veterans Scholarship (2007)

Scott Turner Award in Earth Science, Geological Sciences, University of Michigan (2007)

Rackham Graduate Student Research Grant, University of Michigan (2007)
Icehouse to Greenhouse; Dynamic Permo-Carboniferous Transitions

Departmental Fellowship, Geological Sciences, University of Michigan (2006-2007)

Air Force Commendation Medal (2), United State Air Forces in Europe (2004 and 2005)

United States Air Force Basic Meteorology Program Scholarship, Texas A&M University (2001)

Tulane Academic Scholarship Award, Tulane University (1997-2001)

Air Force Reserve Officer Training Corps Academic Scholarship, Tulane University (1996-2001)

PUBLICATIONS (peer reviewed)

Horton, D. E. and C.J. Poulsen, (2009), The paradox of late Paleozoic glacioeustasy, *Geology*, 37, p.715-718, doi: 10/1130/G30016A.1.

Horton, D. E., C. J. Poulsen, and D. Pollard (2007), Orbital and CO₂ forcing of late Paleozoic continental ice sheets, *Geophys. Res. Lett.*, 34, L19708, doi:10.1029/2007GL031188.

CONFERENCE ABSTRACTS

Horton, D. E., C. J. Poulsen, and D. Pollard (2007), Simulations of late Paleozoic continental ice sheets under orbital and CO₂ forcing, *Eos Trans. AGU*, 88(52), Fall Meet. Suppl., Abstract PP31F-07.

Poulsen, C.J., D. E. Horton, and D. Pollard (2007), Glacial-Interglacial climate change during the late Paleozoic: A climate modeling perspective, *Geological Society of America Abstracts with Programs*, Vol. 39, No. 6, p. 354.

PROFESSIONAL AFFILIATIONS

American Geophysical Union (2007-present)

The Geological Society of America (2007-present)