

Peer Reviewed Papers (115)

\*indicates student author

Many of these are available in pdf format on the Ice Core Paleoclimate Research Group's web page at <http://bprc.osu.edu/Icecore/Abstracts/Publications.html>

- 2009 Buffen\*, A.M., L.G. Thompson, E. Mosley-Thompson, and K.-I. Huh\*. Recently exposed vegetation reveals Holocene changes in the extent of the Quelccaya Ice Cap, Peru, *Quaternary Research*, accepted and in press for September issue.
- 2009 Jones, P.D., K.R. Briffa, T.J. Osborn, J.M. Lough, T.D. van Ommen, B.M. Vinther, J. Luterbacher, E. R. Wahl, F.W. Zwiers, M.E. Mann, G.A. Schmidt, C. M. Ammann, B.M. Buckley, K. M. Cobb, J. Esper, H. Goosse, N. Graham, E. Jansen, T. Kiefer, C. Kull, M. Küttel, E. Mosley-Thompson, J.T. Overpeck, N. Riedwyl, M. Schulz, A. W. Tudhope, R. Villalba, H. Wanner, E. Wolff and E. Xoplaki. High-resolution paleoclimatology of the last millennium: a review of current status and future prospects. *The Holocene*, 19(1), 3-49. (doi. DOI: 10.1177/0959683608098952).
- 2009 van der Veen, C.J., Y. Ahn, B.M. Csatho, E. Mosley-Thompson and W.B. Kraybill. Surface roughness over the northern half of the Greenland ice sheet from airborne laser altimetry, *Journal of Geophysical Research (Earth Surface)*, 114, F01001, doi:10.1029/2008JF001067.
- 2008 Wei\*, L., E. Mosley-Thompson, P. Gabrielli, L.G. Thompson and C. Barbante. Synchronous deposition of volcanic ash and sulfate aerosols over Greenland in 1783 from the Laki eruption (Iceland). *Geophys. Res. Lett.*, 35, L16501, doi:10.1029/2008GL035117. (Wei: graduate student)
- 2008 Kehrwald\*, N. M., L. G. Thompson, Y. Tandong, E. Mosley-Thompson, U. Schotterer, V. Alfimov, J. Beer, J. Eikenberg, and M. E. Davis (2008), Mass loss on Himalayan glacier endangers water resources, *Geophys. Res. Lett.*, doi:10.1029/2008GL035556, in press. (Kehrwald: graduate student): Paper was highlighted in *Nature* under Research Highlights in Dec. 11, 2008 issue, p. 679).
- 2008 Calder, C.A., Craigmile, P. F. and E. Mosley-Thompson. Spatial variation of the influence of the North Atlantic Oscillation on precipitation across Greenland. *Journal of Geophysical Research (Atmospheres)*, 113(D06112), doi.1029/2007JD009227.
- 2007 Jensen *et al.* Palaeoclimate. In: *Climate Change 2007: The Physical Basis. Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel of Climate Change* [Solomon, S., *et al.* (Eds), Cambridge University Press. Cambridge, UK and New York, NY, USA. I was a contributing author to this report.
- 2007 Duan, K., L. G. Thompson, T. Yao, M. E. Davis and E. Mosley-Thompson. A 1000 year history of atmospheric sulfate concentrations in southern Asia as recorded by a Himalayan ice core. *Geophysical Research Letters*, 34, L01810, doi:10.1029/2006GL027456.
- 2006 Thompson, L.G., E. Mosley-Thompson, H. Brecher, M.E. Davis, B. Leon, D. Les, T.A. Mashiotta, P.-N. Lin, and K. Mountain. Evidence of abrupt tropical climate change: past and present. *Proceedings of the National Academy of Sciences*, 103(28), 10536-10543.
- 2006 Mosley-Thompson, E., L. G. Thompson and P.-N. Lin. A multi-century perspective on 20<sup>th</sup> century climate change with new contributions from high Arctic and Greenland (PARCA) cores. *Annals of Glaciology*, 43, 42-48.

- 2006 Thompson, L.G., E. Mosley-Thompson, M. E. Davis, T. A. Mashiotta, K. A. Henderson, P.-N. Lin, and Y. Tandong. Ice core evidence for asynchronous glaciation on the Tibetan Plateau. *Quaternary International*, 154/155, 3-10.
- 2006 Thompson, L.G., T. Yao, M.E. Davis, E. Mosley-Thompson, P.N. Lin, T.A. Mashiotta, V.N. Mikhalenko and V.S. Zagordonov. Holocene climate variability archived in the Puruogangri ice cape from the central Tibetan Plateau. *Annals of Glaciology*, 43, 61-69.
- 2006 Yao, T., Z. Li, L.G. Thompson, E. Mosley-Thompson, Y. Wang, L. Tian, N. Wang, and K. Duan.  $\delta^{18}\text{O}$  record in Tibetan ice reveals differences in climatic changes. *Annals of Glaciology*, 43, 1-7.
- 2006 Li, Z., R. Edwards, E. Mosley-Thompson, F. Wang, Z. Dong, X. You, H. Li, C. Li and Y. Zhu. Seasonal variability of ionic concentrations in surface snow and elution processes in snow-firn packs at the PGPI site on Ürümqi glacier No. 1, eastern Tien Shan, China. *Annals of Glaciology*, 43, 250-256.
- 2006 Grannas\*, A. M., W.C. Hockaday\*, P.G. Hatcher, L. G. Thompson and E. Mosley-Thompson. New revelations on the nature of organic matter in ice cores, *Journal of Geophysical Research-Atmospheres*, 111(D04304), doi:10.1029/2005JD006251.
- 2005 Mosley-Thompson, E., C. R. Readinger\*, P. Craigmile, L. G. Thompson, and C. A. Calder. Regional sensitivity of Greenland precipitation to NAO variability, *Geophysical Research Letters*, 32, L24707, doi:10.1029/2005GL024776.