

Additional References:

Newsletter 2006/2 "U.S. Earth System History Program"

There are references for the following articles:

- [Andrews et al](#)
- [Clement et al](#)
- [Denton et al](#)
- [Huang](#)

Andrews et al.:

Andrews, J. T., Geirsdottir, A., and Jennings, A. E., 1989:
Spatial and temporal

variations in clay- and silt-size mineralogies of shelf and fiord
cores, Baffin Island. *Continental Shelf Research*, 9: 445-463.

Andrews, J. T., Smith, L. M., Preston, R., Cooper, T., and
Jennings, A. E., 1997: Spatial and temporal patterns of iceberg
rafting (IRD) along the East Greenland margin, ca. 68 N, over
the last 14 cal.ka. *Journal of Quaternary Science*, 12: 1-13.

Andrews, J. T., Keigwin, L., Hall, F., and Jennings, A. E., 1999:
Abrupt deglaciation events and Holocene paleoceanography
from high resolution cores, Cartwright Saddle, Labrador
Shelf, Canada. *Journal of Quaternary Science*, 14: 383-397.

Bischof, J., 2000: *Ice drift, ocean circulation and climate
change*. Heidelberg: Springer-Verlag, 215 pp.

Darby, D. A., 2003: Sources of sediment found in the sea ice
from the western Arctic Ocean, new insights into processes of
entrainment and drift patterns. *Journal of Geophysical
Research*, 108: 13-11 to 13-10. doi: 10,
1111029/1112002JC1001350, 1112003.

Darby, D. A. and Bischof, J., 2004: A Holocene record of changing Arctic Ocean ice drift analogous to the effects of the Arctic Oscillation. *Palaeoceanography*, 19: 1 of 9. doi: 10.1029/2003PA000961, 002004.

Dowdeswell, J. A., Whittington, R. J., and Hodgkins, R., 1992: The sizes, frequencies, and freeboards of East Greenland icebergs observed using ship radar and sextant. *Journal Geophysical Research*, 97: 3515-3528.

Dowdeswell, J. A., Uenzelmann-Neben, G., Whittington, R. J., and Marienfeld, P., 1994: The Late Quaternary sedimentary record in Scoresby Sund, East Greenland. *Boreas*, 23: 294-310.

Eberl, D. D., 2003: *User guide to RockJock: A program for determining quantitative mineralogy from X-ray diffraction data*. United States Geological Survey, Open File Report 03-78, 40 pp, Washington, DC.

Eiriksson, J., Knudsen, K. L., Haflidason, H., and Heinemeier, J., 2000: Chronology of late Holocene climatic events in the northern North Atlantic based on AMS ¹⁴C dates and tephr markers from the volcano Hekla, Iceland. *Journal of Quaternary Science*, 15: 573-580.

Grobe, H., 1987: A Simple Method for the Determination of Ice-Rafted Debris in Sediment Cores. *Polarforschung*, 57: 123-126.

Hebbein, D. and Wefer, G., 1991: Effects of ice coverage and ice-rafted sedimentation in Fram Strait. 350: 409-411.

Hebbeln, D. and Wefer, G., 1991: Effects of ice coverage and ice-rafted material on sedimentation in the Fram Strait. *Nature*, 350: 409-.

Hebbeln, D., 2000: Flux of ice-rafted detritus from sea ice in the Fram Strait. *Deep-Sea Research II*, 47: 1773-1790.

Jennings, A. E. and Weiner, N. J., 1996: Environmental change on eastern Greenland during the last 1300 years: Evidence from Foraminifera and Lithofacies in Nansen Fjord, 68°N. *The Holocene*, 6: 179-191.

Knudsen, K. L., Eirikson, J., Jansen, E., Jiang, H., Rytter, F., and Gudmundsdottir, E. R., 2004: Paleoceanographic changes off North Iceland through the last 1200 yrs: foraminifera, stable isotopes, diatoms and ice rafted debris. *Quaternary Science Reviews*, 23: 2231-2246.

Koch, L., 1945: The East Greenland Ice. *Meddelelser om Gronland*, 130 (3): 346.

Kravitz, J. H., 1982: *Sediments and sediment processes in Kane Basin, a high arctic glacial marine basin*. INSTAAR, University of Colorado

Krissek, L. A. and St. John, K. E., 2002: Pleistocene iceberg production from East Greenland: Synchronous between source area, but distinct from global ice volume. *Bulletin Geological Society of Denmark*, 49: 79-89.

Marienfeld, P., 1992: Postglacial sedimentary history of Scorsby Sund, East Greenland. *Polarforschung*, 60: 181-195.

Marlowe, J. I., 1966: Mineralogy as an indicator of long-term current fluctuations in Baffin Bay. *Canadian Journal of Earth Sciences*, 3: 191-201.

Moros, M., Emeis, K., Risebrobakken, B., Snowball, I., Kuijpers, A., McManus, J., and Jansen, E., 2004a: Sea surface temperatures and ice rafting in the Holocene North Atlantic: climate influences on northern Europe and Greenland. *Quaternary Science Reviews*, 23: 2113-2126.

Moros, M., McManus, J., Rasmussen, T., Kuijpers, A., Dokken, T., Snowball, I., Nielsen, T., and Jansen, E., 2004b: Quartz

content and the quartz-to-plagioclase ratio determined by X-ray diffraction: a proxy for ice rafting in the northern North Atlantic? *Earth and Planetary Science Letters*, 218: 389-401.

Ogilvie, A., 1996: Sea-ice conditions off the coasts of Iceland A.D. 1601-185 with special reference to part of the Maunder Minimum period (1675-1715). *North European climate data in the latter part of the Maunder Minimum period A.D. 1675-1715*: 9-12.

Clement et al.:

---Corrigendum: The correct reference for solar irradiance changes over the last millennium is: Bard, E., G. Raisbeck, F. Yiou, J. Jouzel (2000): Solar irradiance during the last 1200 years based on cosmogenic nuclides. *Tellus*, 52B, 985-992.---
Clement, A.C., R. Seager, M.A. Cane, and S.E. Zebiak, 1996: An ocean dynamical thermostat. *J. Climate*, **9**, 2190-2196.

Cobb, K.M., C.D. Charles, H. Cheng, and R.L. Edwards, 2003: El Niño-Southern Oscillation and tropical Pacific climate during the last millennium, *Nature*, **424**, 271-276.

Collins, M. (2005), El Niño- or La Niña-like climate change? *Climate Dynamics*, Vol. 24 Issue 1, p89-104, 16p; DOI: 10.1007/s00382-004-0478.

Crowley, T. J. (2000), Causes of climate change over the past 1000 years, *Science*, 289, 270-277.

Damassa, T. D., et al. (2006), Enhanced multidecadal climate variability in the seventeenth century from coral isotope records in the western Indian Ocean, *Paleoceanography*, 21 (2): Art. No. PA2016.

Emile-Geay, J. M. Cane, R. Seager, A. Kaplan and P. Almasi (2006), ENSO as a mediator of the solar influence on climate, *Paleoceanography*, submitted.

Evans, M. N., et al. (2002), Pacific sea surface temperature field reconstruction from coral delta O-18 data using reduced space objective analysis, *Paleoceanography*, 17, Art. No. 1007.

Evans, M.N., A. Kaplan, B.K. Reichert and M.A. Cane, Reconstruction/Deconstruction: Toward better paleoclimate estimates, Eos. Trans. AGU, 82(47), Fall 2001 Meet. Suppl., Abstract GC21A-08, p. F300.

Graham, N. E. et al. (2006), Tropical Pacific – Mid-Latitude Teleconnections in Medieval Times, *Climate Dynamics*, submitted.

Herweijer C, Seager R, Cook ER (2006a), North American droughts of the mid to late nineteenth century: a history, simulation and implication for Mediaeval drought, *Holocene*, 16 (2): 159-171.

Herweijer, C., R. Seager, E. Cook and J. Emile-Geay (2006a), North American Droughts of the last Millenium from a Gridded Network of Tree-ring data, *J. Climate*, submitted.

Mann, M. E., et al. (2005), Volcanic and solar forcing of the tropical Pacific over the past 1000 years, *Journal of Climate*, 18, 447-456.

Seager, R., et al. (2005), Modeling of tropical forcing of persistent droughts and pluvials over western North America: 1856-2000, *Journal of Climate*, 18, 4065-4088.

Seager, R. (2006) The turn of the century drought across North America: Dynamics, global context and prior analogs. *J. Climate*, submitted.

Schubert, S. D., M. J. Suarez, P. J. Pegion, R. D. Koster, and J. T. Bacmeister, 2004: On the cause of the 1930s Dust Bowl. *Science*, **303**, 1855-1859. Sutton, R. T., and D. L. R. Hodson (2005), Atlantic Ocean forcing of North American and European summer climate, *Science*, *309*, 115-118.

Denton et al.:

Adkins, J.F., and Schrag, D.P., 2003. Reconstructing the Last Glacial Maximum bottom water salinities from deep-sea sediment pore fluid profiles. *Earth and Planetary Science Letters*, **216**: 109-123.

Barnett, T.P., Oumenil, L., Schlese, U., and Roeckner, E., 1988. The effect of Eurasian snow cover on global climate. *Science*, **239**: 504-502.

Benson, L., 1993. Timing of the last high stand of Lake Lahontan. *Quaternary Research*, **39**: 163-174.

Bond, G.C., Heinrich, H., Broecker, W., Labeyrie, L., McManus, J., Andrews, J., Huon, S., Jantschik, R., Clasen, S., Simet, C., Tedesco, K., Klas, M., Bonani, G., and Ivy, S., 1992. Evidence for massive discharges of icebergs into the North Atlantic ocean during the last glacial. *Nature*, **360**: 245-249.

Broecker, W.S., 1998. Paleocean circulation during the last deglaciation: A bipolar seesaw? *Paleoceanography*, **13**: 119-121.

Broecker, W.S., Peteet, D., Hajdas, I., Lin, J., and Clark, E., 1998. Antiphasing between rainfall in Africa's Rift Valley and North America's Great Basin. *Quaternary Research*, **50**: 12-20.

Broecker, W.S., and Barker, S., 2006. A 190 per mil drop in

atmosphere's $\Delta^{14}\text{C}$ during the "Mystery Interval" (17.5 to 14.5 kyrs). *Quaternary Science Reviews*, in press.

Cacho, I., Grimalt, J.O., Canals, M., Saffi, L., Shackleton, N.J., Schönfeld, J., and Zahn, R., 2001. Variability of the western Mediterranean Sea surface temperature during the last 25,000 years and its connection with the Northern Hemisphere climatic changes. *Paleoceanography*, **16**: 40-52.

Chiang, J.C.H., and Bitz, C.M., 2005. Influence of high latitude ice cover on the marine Intertropical Convergence Zone. *Climate Dynamics*, **25**: 477-496.

Denton, G.H., Lowell, T.V., Schlüchter, C., Andersen, B.G., Heusser, C.J., Moreno, P.I., and Marchant, D.R., 1999. Geomorphology, stratigraphy, and radiocarbon chronology of Llanquihue drift in the area of the southern Lake District, Seno Reloncaví, and Isla Granda de Chiloé, Chile. *Geografiska Annaler*, **81A**: 167-229.

Eicher, U., and Siegenthaler, U., 1976. Palynological and oxygen investigations on Late-Glacial sediment cores from Swiss Lakes. *Boreas*, **5**: 109-117.

Garcia, A.F. and Stokes, M., 2006. Late Pleistocene highstand and recession of a small, high-altitude pluvial lake, Jake's Valley, central Great Basin, USA. *Quaternary Research*, **65**: 179-186.

Held, I.M. and Soden, B.J., 2006. Robust responses of the hydrological cycle to global warming. *Journal of Climate*, in press.

Hemming, S.R., 2004. Heinrich events: Massive late Pleistocene detritus layers of the North Atlantic and their global climate imprint. *Reviews of Geophysics*, **42**: 1-43.

Hostetler, S.W., Clark, P.U., Bartlein, P.J., Mix, A.C., and

Pisias, N.J., 1999. Atmospheric transmission of North Atlantic Heinrich events. *Journal of Geophysical Research*, **104D**: 3947-3952.

Johnson, T.C., Scholz, C.A., Talbot, M.R., Kelts, K., Ricketts, R.D., Ngobi, G., Beuning, K., Ssemmanda, I., and McGill, J.W., 1996. Late Pleistocene desiccation of Lake Victoria and rapid evolution of Cichlid fishes. *Science*, **276**: 786-788.

Lea, D.W., Pak, D.K., Peterson, L.C., and Hughen, K.A., 2003. Synchronicity of tropical and high-latitude Atlantic temperatures over the last glacial termination. *Science*, **301**: 1361-1364.

Peterson, L.C., Haug, G.H., Hughen, K.A., and Rohl, U., 2000. Rapid changes in the hydrological cycle of the tropical Atlantic during the last glacial cycle. *Science*, **290**: 1947-1951.

Raymo, M.E., 1997. The timing of major climate terminations. *Paleoceanography*, **12**: 577-585.

Renssen, H. Isarin, R.F.B., 2001. The two major warming phases of the last deglaciation at ~14.7 and ~11.5 ka cal BP in Europe: Climate reconstructions and AGCM experiments. *Global and Planetary Change*, **30**: 117-153.

Schaefer, J.M., Denton, G.H., Barrell, D.J.A., Ivy-Ochs, S., Kubik, P.W., Andersen, B.G., Phillips, F.M., Lowell, T.V., and Schlüchter, C., 2006. Near-synchronous interhemispheric termination of the Last Glacial Maximum in mid-latitudes. *Science*, **312**: 1510-1513.

Schwander, J., Jouzel, J., Hammer, C.V., Petit, J.-P., Udisti, R., and Wolfe, E., 2001. A tentative chronology for the EPICA Dome Concordia ice core. *Geophysical Research Letters*, **28**: 4243-4246.

Schlüchter, C., 1988. The deglaciation of the Swiss Alps: A paleoclimatic event with chronological problems. *Bulletin de*

l'Association Française pour l'étude du Quaternaire, **1988-2/3**: 141-145.

Stephens, B.B., and Keeling, R.F., 2000. The influence of Antarctic sea ice on glacial-interglacial CO₂ variations. *Nature*, **404**: 171-174.

Strelin, J., and Denton, G.H., 2005. Las morenas de Puerto Bandera, Lago Argentino. *The Proceedings of XVI Congress Geológico Argentino*, CD-ROM, Article 269, 6 pp.

von Grafenstein, U., Erlenkeuser, H., Brauer, A., Jouzel, J., and Johnsen, S., 1999. A mid-European decadal isotope-climate record from 15,500 to 5000 years BP. *Science*, **284**: 1654-1657.

Wang, Y.J., Cheng, H., Edwards, R.L., Ang, Z.S., Wu, J.Y., Shen, C.-C., and J.A. Dorale, 2001. A high-resolution absolute-dated late Pleistocene monsoon record from Hulu Cave, China. *Science*, **294**: 2345-2348.

Huang:

Beltrami, H., 2002: Earth's long-term memory. *Science*, **297**: 206-207.

Briffa, K.R. and Osborn, T.J., 2002: Blowing hot and cold, *Science*, **295**: 2227-2228.

Crowley T.J., 2000: Causes of climate change over the past 1000 years. *Science*, **289**: 270-277.

Harris, R.N. and Chapman, D.S., 1997: Borehole temperatures and a baseline for 20th-century global warming estimates, *Science*, **275**: 1618-1621.

Huang, S., Shen, P.-Y., and Pollack, H.N., 1996: Deriving century-long trends of surface temperature change from

borehole temperatures, *Geophys. Res. Lett.* **23**: 257-60.

Huang, S., Pollack, H. N., and Shen, P.Y., 2000: Temperature trends over the past five centuries reconstructed from borehole temperatures. *Nature*, **403**: 756-758.

Huang, S., 2004: Merging Information from Different Resources for New Insights into Climate Change in the Past and Future. *Geophys. Res. Lett.*, **31**: L13205, doi:10.1029/2004GL019781.

Jones, P.D., New, M., Parker, D.E., Martin, S., Rigor, I.G., 1999: Surface air temperature and its changes over the past 150 years. *Rev. Geophys.* **37**:173-199.

Majorowicz, J., Skinner, W., Šafanda, J., 2004: Past surface temperature changes as derived from global temperature logs - a new tool in climate change studies. *Advances in Geophysics*, **47**: 113-174.

Mann, M.E., Bradley, R.S., Hughes, M.K., 1999: Northern hemisphere temperatures during the past millennium: inferences, uncertainties, and limitations. *Geophys. Res. Lett.*, **26**:759-762.

Moberg A, Sonechkin DM, Holmgren K, et al., 2005: Highly variable Northern Hemisphere temperatures reconstructed from low- and high-resolution proxy data, *Nature*, **433**: 613-617.

Pollack, H.N. and Huang, S., 2000: Climate reconstruction from subsurface temperatures. *Annu. Rev. Earth Pl. Sc.* **28**: 339-365.

Pollack, H.N., Huang, S., and Shen P.-Y., 1998: Climate change record in subsurface temperatures: a global perspective. *Science*, **282**: 279-281.

Shen, P.-Y. & Beck, A.E., 1991: Least squares inversion of borehole temperature measurements in functional space, *J.*

Geophys. Res. **96**: 19965-19979.

Zorita, E., González-Rouco, F., and Legutke, S., 2003: Testing the Mann et al. (1998) Approach to Paleoclimate Reconstructions in the Context of a 1000-Yr Control Simulation with the ECHO-G Coupled Climate Model. *J. Climate*, **16**: 1378-1390.