

Curriculum Vitae
OREGON STATE UNIVERSITY
College of Earth, Ocean, & Atmospheric Sciences

Joseph S. Stoner
Associate Professor

BIRTHDATE:
May 6, 1964

Citizenship: U.S.

Current Position: Associate Professor
College of Earth, Ocean, and Atmospheric Sciences
Oregon State University
104 Ocean Admin Building
Corvallis, OR 97331-5504
(541) 737-9002
(541) 737-2064 (FAX)
jstoner@coas.oregonstate.edu

EDUCATION

- B.S. Geology, University of Florida, 1987
- M.S. Geology, University of Florida, 1991
Thesis: Tectonic Implications of paleomagnetic data from Mesozoic limestones in the Northern Calcareous Alps and Southern Alps
- Ph.D. Resources Minérales, Université du Québec à Montréal, 1995.
Dissertation: Magnetic properties and paleointensity records from Late Quaternary Labrador Sea sediments

ACADEMIC POSITIONS

- Visiting Assistant Professor, Department of Geology, University of Florida 1995 - 1997
- Research Associate, Geology Department, University of California Davis 1998 - 2001
- Research Associate, INSTAAR, University of Colorado at Boulder 2002 - 2004
- Assistant Professor, COAS, Oregon State University 2004 - 2009
- Associate Professor, COAS, Oregon State University 2009 -

NON-ACADEMIC POSITIONS

- Member, GEOTOP, Université du Québec à Montréal 1995 -
- Director, OSU Paleo-and-Environmental Magnetism Laboratory 2009 -
(<http://paleomag.coas.oregonstate.edu>)
- Director, OSU Marine Geology Repository 2010 -
(<http://osu-mgr.org>)

FIELDS OF SPECIALIZATION

- Sediment and Environmental Magnetism
- Paleo-Geomagnetism
- Quaternary Paleoclimatology/Paleoceanography/Geochronology

Professional Organizations

American Geophysical Union
Geological Society of American

National and International Committees & Science Service

IMAGES Working Groups, *Terminal Millennial Synthesis* 1999 and *Ice Ocean Interactions*, 2003
PARCS High-Res Working Group, 2003 – 04
Magnetics Information Consortium (MagIC), Geological Timescale Committee, 2007
National Science Foundation Panel Member
Integrated Ocean Drilling Program (IODP), Science and Technology Panel, 2010 – 2013
IODP Depth Taskforce, 2010
UNOLS subcommittee on Future of the WHOI Long Core Facility, 2013
US Advisory Committee (USAC) for Scientific Ocean Drilling, 2013 –2016
Frontiers in Earth Sciences, Review Editor -2013 –
International Ocean Discovery Program, Distinguished Lecturer, 2017-2018

Currently Funded Research Projects

Collaborative Research: Expanding the Tephrochronologic Record of the Northern Lesser Antilles Arc:
Rapid Identification of Cryptotephra Using Multiple Methods, NSF-EAR (PG) 1/1/14-12/31/16
+1yr NCE (Hatfield PI, Stoner co-PI, OSU \$98,304; McCanta, Tufts; Thomson, BU)
Collaborative Research: Deep Drilling of Lake Junín, Perú: Continuous Tropical Records of Glaciation,
Climate Change and Magnetic Field Variations Spanning the Late Quaternary NSF-
EAR1400903, 6/1/14-5/31/18 (Stoner PI OSU, \$387,672)
Response of the Labrador Sea and south Greenland Ice Sheet to the mid-Pliocene climate optimum:
sedimentary, magnetic and geochemical evidence from the Eirik Drift NSF-OCE 1352008
8/1/14-7/30/16 + 1yr NCE (Carlson PI, Stoner co-PI OSU \$399,956)
ODP Expedition 341: Linking magnetic and isotopic chronostratigraphies - global, regional, and climatic
implications NSF-OCE1436903 8/1/14-7/31/16 + 1yr NCE (Stoner PI, Mix co-PI \$380,000)
Collaborative Research: Petermann Gletscher, Greenland - Paleoceanography and Paleoclimatology
NSF-PLR1418053 11/01/14-10/31/17 (Mix PI, Brook co-PI, Stoner co-PI \$1,453,607)
Collaborative Research: Development of a suite of proxies to detect past collapse of the West Antarctic
ice sheet NSF-PLR1443437 8/01/15-7/31/17 (Carlson PI, Stoner co-PI \$417,112)
Developing new magnetic tracers of ice sheet instability and ocean circulation in the northern North
Atlantic NSF-OCE1636381 8/1/16-7/31/18 (Stoner PI, Hatfield co-PI \$359,424)

Major Seagoing Expeditions (PI and/or Participant)

July-Sept	2015	IB Oden 1507, Petermann Expedition, Nares Strait, Greenland/Canada, co-PI & Shipboard Scientist
June-July	2013	IODP Expedition 341 (Southern Alaska Margin) Proponent & Shipboard Scientist
Mar-Apr	2012	IODP Expedition 340 (Lesser Antilles), Shorebased Participant
Nov-Jan	2012	IODP Expedition 339 (Med outflow), Shorebased Participant
July-Sept	2009	IODP Expedition 323 Bering Sea, Shorebased Participant
May-June	2007	RV Roger Revelle 0705, Sumatra Paleoseismology, co-PI & Shipboard Scientist
Sept-Nov	2004	IODP Expedition 303, North Atlantic Climate 1, Proponent & Shipboard Scientist
Apr-June	2002	ODP Leg 202, SE Pacific paleoceanography, Shipboard Scientist
July	1999	IMAGES 99 Leg II, Labrador Sea & northern N. Atlantic, Shipboard Scientist
Dec-Feb	1997/98	ODP Leg 177, Southern Ocean paleoceanography, Shipboard Scientist
Mar-May	1995	ODP Leg 160, E. Mediterranean Evolution, Shipboard Scientist
Oct-Nov,	1991	RV CSS Hudson 91-045, North Atlantic & Labrador Sea, Shipboard Participant

Field Expeditions (PI and/or Participant)

July	2015	Lake Drilling, Junin, Peru, PI.
Feb	2014	Lake Coring, Fish Lake, Utah USA, PI & Participant.
Aug	2013	Lake Coring, Fish Lake, Oregon USA, PI & Participant.
May	2013	Lake Coring, Labeouf and Pleasant Lakes, Pennsylvania USA, PI & Participant.
May	2012	Lake Coring, Sawtooth Lake, Ellesmere Island, Nunavut Canada, PI & Participant.
July	2011	Lake Coring, Rock Lake, Montana USA, Participant.
July	2010	Lake Coring, Burial Lake, Noatak, Alaska USA, PI & Participant.
July	2009	Lake Coring, N.W. Oregon, USA, Participant.
July	2005	Lake Coring, S.E. Oregon, USA, Participant.
May	2005	Lake Coring, Lake Linne Spitzbergen, Svalbard, co-PI and Participant.
May	2001	Lake Coring, Murray and Tuborg Lakes, Ellesmere Island, Nunavut, Canada, Participant.
Feb	1998	Paleomagnetic sampling, Pali Aike Volcanic Field, Chile, Participant.
July	1989	Paleomagnetic sampling, Italian & Austrian Alps, Participant.

Peer-Reviewed Publications

- 1) Hatfield, R.G., **J.S. Stoner**, B.T. Reilly, F.J. Tepley III, B.H. Wheeler, B. A Housen, 2016: Size and Source Dependent Magnetic Properties: A rock magnetic investigation of Iceland and south Greenland terrestrial sediments and how they influence environmental magnetic variability in the northern North Atlantic. *Submitted, Earth and Planetary Science Letters*
- 2) Carlson, A.E., Z. Kilmer, L. H. Ziegler, **J. S. Stoner**, G. C. Wiles, K. Starr, M. Walczak, W. Colgan, A.V. Reyes, D.J. Leydet, & R.G. Hatfield 2016: Retreat of Columbia Glacier, Alaska: A Millennial Context. *Submitted, Geology*.
- 3) Walczak, M.H., **J.S. Stoner**, A.C. Mix, J. Jaeger, G.P. Rosen, J.E.T. Channell, D. Heslop, & C. Xuan 2016: A 17,000 yr paleomagnetic secular variation record from the southeast Alaskan margin: Regional and global correlations. *In revision, Earth and Planetary Science Letters*.
- 4) Wüdsch, M., T. Haberzettl, M. E. Meadows, K. L. Kirsten, T. Kasper, J. Baade, G. Daut, **J. S. Stoner**, R. Mäusbacher 2016: The impact of changing reservoir effects on the 14C chronology of a Holocene sediment record from South Africa. *In press, Quaternary Geochronology*.
- 5) Hatfield, R.G., A.V. Reyes, **J.S. Stoner**, A.E. Carlson, B.L. Beard, K. Winsor, & B. Welke, 2016; Interglacial responses of the south Greenland ice sheet over the last 430,000 years determined using particle-size specific magnetic and isotopic tracers. *In press, Earth and Planetary Science Letters*.
- 6) Lund, S., **J. Stoner**, M. Okada, & E. Mortazavi 2016: Paleomagnetic field variability and chronostratigraphy of Brunhes-Chron deep-sea sediments from the Bering Sea: *IODP Expedition 323. Deep-Sea Research Part II, 125-126, 107-116*.
- 7) Patton, J.A., C. Goldfinger, A. E. Morey, K. Ikehara, C. Romsos, **J. Stoner**, Y. Djadjadihardja, S. Ardhyastuti, E. Z. Gaffar, & A. Vizcaino 2015: A 6600 year earthquake history in the region of the 2004 Sumatra-Andaman subduction zone earthquake. *Geosphere* 11, 2067-2129.
- 8) Gulick, S. P.S., J. M. Jaeger, A. C Mix, H. Asahi, H. Bahlburg, C. L Belanger, G.B.B. Berbel, L. Childress, E. Cowan, L. Drab, M. Forwick, A. Fukumura, S. Ge, S. Gupta, A. Kioka, S. Konno, L. J. LeVay, C. März, K. M. Matsuzaki, E. L. McClymont, C. Moy, J. Müller, A. Nakamura, T. Ojima, F. R Ribeiro, K. D Ridgway, O. E Romero, A. L. Slagle, **J. S. Stoner**, G. St-Onge, I. Suto, M. D Walczak , L. L. Worthington, I. Bailey, E. Enkelmann, R. Reece, & J. M. Swartz 2015: Mid-Pleistocene climate transition drives net mass loss from rapidly uplifting St. Elias Mountains, Alaska. *Proceedings of the National Academy of Sciences* 112, 15042-15047.

- 9) Govin, A. E. Capron, P. C. Tzedakis, S. Verheyden, B. Ghaleb, C. Hillaire-Marcel, G. St-Onge, **J. S. Stoner**, F. Bassinot, L. Bazin, T. Blunier, N. Combourieu-Nebout, A. El Ouahabi, D. Genty, R. Gersonde, P. Jimenez-Amat, A. Landais, B. Martrat, V. Masson-Delmotte, F. Parrenin, M.-S. Seidenkrantz, D. Veres, C. Waelbroeck, & R. Zahn 2015: Sequence of events from the onset to the demise of the Last Interglacial: evaluating strengths and limitations of chronologies used in climate archives. *Quaternary Science Reviews*, 129, 1-36.
- 10) Dorfman, J.M., **J.S. Stoner**, M.S. Finkenbinder, M.B. Abbott, C. Xuan, & G. St-Onge 2015: A 37,000-year Environmental Magnetic Record of Aeolian Dust Deposition from Burial Lake, Arctic Alaska. *Quaternary Science Reviews*, 128, 81-97
- 11) Finkenbinder, M.S., M.B. Abbott, B. Finney, **J.S. Stoner**, & J.M. Dorfman 2015: A 37,000 year record of environmental change from Burial Lake, Arctic Alaska. *Quaternary Science Reviews*, 126, 227-241.
- 12) Mazaud, A., J.E.T. Channell, & **J.S. Stoner** 2015: The paleomagnetic record at IODP Site U1307 back to 2.2 Ma (Eirik Drift, off south Greenland. *Earth and Planetary Science Letters*, 429, 82-89.
- 13) Davies-Walczak, M.H., A.C. Mix, T. Willse, A. Slagle, **J.S. Stoner**, J. Jaeger, S. Gulick, L. LeVay & the IODP Expedition 341 Scientific Party 2015: Volumetric correction of non-intrusive sediment physical properties data. *Geophysical Journal International*, 202, 1317-1323.
- 14) Haberzettl, T., K. Henkel, T. Kasper. M. Ahlborn, Y. Su; J. Wang; E. Appel, G. St-Onge, **J. Stoner**; G. Daut, L. Zhu, & R. Mäusbacher, 2015: Independently dated paleomagnetic secular variation records from the Tibetan Plateau. *Earth and Planetary Science Letters*, 416, 98-108
- 15) Reyes, A. V., A. E. Carlson, B. L. Beard, R. G. Hatfield, **J. S. Stoner**, K. Winsor, B. Welke, & D. Ullman 2014: South Greenland ice-sheet collapse during Marine Isotope Stage 11, *Nature*, 510, 525-528.
- 16) Davies-Walczak, M.H., A.C. Mix, **J.S. Stoner**, J.R. Southon, M. Cheseby, & C. Xuan 2014: Late Glacial to Holocene radiocarbon constraints on North Pacific Intermediate Water ventilation and deglacial atmospheric CO₂ sources, *Earth and Planetary Science Letters*, 397, 57-66.
- 17) Jennings, A., T. Thordarson, K. Zalzal, **J. Stoner**, C. Hayward, Á. Geirsdóttir, & G. Miller 2014: SE Greenland Shelf Archive of Icelandic and Alaskan Volcanic Eruptions during the Holocene. *From: Austin, W. E. N., Abbott, P. M., Davis, S. M., N. Pearce, N. J. G., Wastegard, S. (eds) Marine Tephrochronology*, Geological Society of London Special Publication 398, <http://dx.doi.org/10.1144/SP398.6>.
- 18) Channell, J.E.T, J.D Wright, A. Mazaud, & **J. S. Stoner**, 2014: Age through tandem correlation of Quaternary relative paleointensity (RPI) and oxygen isotope data at IODP Site U1306 (Eirik Drift, SW Greenland), *Quaternary Science Reviews*, 88, 135-146.
- 19) **Stoner, J.S.**, J.E.T. Channell, A. Mazaud, C. Xuan, & S. E. Strano, 2013: The influence of high latitude flux lobes on the Holocene paleomagnetic record of IODP Site U1305 and the northern North Atlantic. *Geochemistry, Geophysics, Geosystems*, 14, 4623-4646, 10.1002/ggge.20272.
- 20) Addison, J.A., B.P., Finney, J. M. Jaeger, **J. S. Stoner**, R.D. Norris, & A. Hagsterfer, 2013: Integrating satellite observations and modern climate measurements with the recent sedimentary record: an example from Southeast Alaska. *Journal of Geophysical Research- Oceans*, 118, 3444-3461, doi:10.1002/jgrc.20243.

- 21) Hatfield, R.G., **J.S. Stoner**, A.E. Carlson, A.V. Reyes, & B.A. Housen, 2013: Source as a controlling factor on the quality and interpretation of sediment magnetic records from the northern North Atlantic. *Earth and Planetary Science Letters*, 368, 69–77.
- 22) Ólafsdóttir, S., Á. Geirsdóttir, G.H. Miller, **J.S. Stoner** & J.E.T. Channell 2013: Synchronizing Holocene Lacustrine and Marine Sediment Records in Iceland Using Paleomagnetic Secular Variation. *Geology*, 41, 535–538.
- 23) Hatfield, R.G. & **J.S. Stoner**, 2013: Magnetic Proxies and Susceptibility In: Elias S.A. (ed.) *The Encyclopedia of Quaternary Science*, vol. 2, pp. 884-898. Amsterdam: Elsevier.
- 24) Windsor, K., A.E. Carlson, G.P. Klinkhammer, **J.S. Stoner** & R. H. Hatfield 2012: Evolution of the northeast Labrador Sea during the last interglaciation. *Geochemistry, Geophysics, Geosystems*, 13, 1-17. Q11006,doi:10.1029/2012GC004262.
- 25) Mazaud, A., J.E.T. Channell & **J.S. Stoner** 2012: Relative paleointensity and environmental magnetism since 1.2 Ma at IODP Site U1305 (Eirik Drift, NW Atlantic). *Earth and Planetary Research Letters*, 357-358, 137-144.
- 26) Andrews, J.T., D. Barber, B. MacLean, D. Eberl, M. Kirby, **J.S. Stoner** & A. Jennings 2012: Varying sediment sources (Hudson Strait, Cumberland Sound, Baffin Bay) to the NW Labrador Sea slope between and during Heinrich events 0 to 4. *Journal of Quaternary Sciences*, 27, 475–484.
- 27) Channell, J.E.T. D.A. Hodell, O. Romero, C. Hillaire-Marcel, A. de Vernal, **J.S. Stoner**, A. Mazaud & U. Röhl 2012: IODP Site U1302-U1303 (Orphan Knoll): Correlation of Brunhes detrital-layer stratigraphy into the North Atlantic. *Earth and Planetary Science Letters*, 317-318, 218–230.
- 28) Addison, J.A., B.P. Finney, W.E. Dean, M.H. Davies, A.C. Mix, J.S. Stoner & J.M. Jaeger 2012: Productivity maxima and sedimentary $\delta^{15}\text{N}$ during the Late Glacial Interval in the Gulf of Alaska. *Paleoceanography*, VOL. 27, PA1206, doi:10.1029/2011PA002161
- 29) St-Onge, G. & **J.S. Stoner**, 2011: Paleomagnetism near the North Magnetic Pole: A unique vantage point to understand the dynamics of the geomagnetic field and its secular variations. *Oceanography*, 24, 42–50, <http://dx.doi.org/10.5670/oceanog.2011.53>
- 30) Jennings, A.E., C. Sheldon, T. Cronin, **J. Stoner** & J.T. Andrews, 2011: The Holocene History of Nares Strait: Transition from glacial bay to Arctic-Atlantic through flow. *Oceanography*, 23, 26-41, <http://dx.doi.org/10.5670/oceanog.2011.52>.
- 31) Colville, E.J., A.E. Carlson, B.L. Beard, R.G. Hatfield, **J.S. Stoner**, A.V. Reyes & D.J. Ullman, 2011: Extent of the southern Greenland Ice Sheet during the last interglacial. *Science*, 333, 620-623.
- 32) Davies, M. H., A. C. Mix, **J. S. Stoner**, J. A. Addison, J. Jaeger, B. Finney, and J. Wiest 2011: The deglacial transition on the Southeastern Alaska Margin: meltwater input, sealevel rise, marine productivity, and sedimentary anoxia. *Paleoceanography*, 26, PA2224,doi:10.1029/2010PA002051.
- 33) Barletta, F. G. St-Onge, **J.S. Stoner**, P. Lajeunesse, & J. Locat, 2010: A high-resolution Holocene paleomagnetic secular variation and relative paleointensity stack from eastern Canada. *Earth and Planetary Science Letters*, 298, 162-174.
- 34) Mazaud, A. J.E.T. Channell, C. Xuan, & **J. S. Stoner**, 2009: Upper and lower Jaramillo polarity transitions recorded in IODP Expedition 303 North Atlantic sediments: Implications for transitional field geometry. *Physics of the Earth and Planetary Interiors*. 172, 131-140.
- 35) Cook, T. L., R.S. Bradley, **J.S. Stoner**, & P. Francus, 2009: Five thousand years of sediment transfer in a High Arctic watershed recorded in annually laminated

- sediments from Lower Murray Lake, Ellesmere Island, Nunavut, Canada. *Journal of Paleolimnology* 41, 77-94.
- 36) Osleger, D.A., A.C. Heyvaert, **J. S. Stoner** & K.L. Verosub, 2009: Lacustrine turbidites as indicators of Holocene storminess and climate: Lake Tahoe, California and Nevada. *Journal of Paleolimnology*, 42, 103-122.
- 37) Osleger, D.A., R.A. Zierenberg, T.H. Suchanak, **J. S. Stoner**, S. Morgan & D.P. Adam, 2008: Clear Lake sediments: Anthropogenic changes in physical sedimentology and magnetic response. *Ecological Applications*, 18, A239-A256.
- 38) Channell, J.E.T, D.A. Hodell, C. Xuan, A. Mazaud, & **J. S. Stoner**, 2008: Age calibrated relative paleointensity for the last 1.5 Myr at IODP Site U1308 (North Atlantic). *Earth and Planetary Science Letters*, 274, 59-71.
- 39) St-Onge, G., E. Chapron, H. Guyard, A. Rochon, P. Lajeunesse, D. Scott, J. Locat, **J.S. Stoner**, & C. Hillaire-Marcel, 2008: High-resolution physical and magnetic properties of rapidly deposited layers associated with landslides, earthquakes and floods. In :J. Locat et al (Éds.) *Comptes rendus de la 4e Conférence canadienne sur les géorisques : des causes à la gestion*. Presse de l'Université Laval, Québec, pp. 219-228.
- 40) Francus, P., R. S. Bradley, W. Patridge, T. Lewis, M. Abbott, M. Retelle, & **J.S. Stoner**, 2008: Limnological and sedimentary processes at Sawtooth Lake, Canadian High Arctic, and their influence on varve formation. *Journal of Paleolimnology*. 40, 963-985.
- 41) Carlson, A., **J. S. Stoner**, J. Donnelly, & C. Hillaire-Marcel, 2008. Response of the southern Greenland Ice Sheet during the last two deglaciations. *Geology*, 36, 359-362.
- 42) Andrews, J. T., J. Hardardottir, **J. S. Stoner** & S. Principato 2008: Holocene sediment magnetic properties along a transect from Ísafjardardjúp to Djúpáll, Vestfirðir, Northwest Iceland. *Arctic, Antarctic and Alpine Research*, 40, 1-14.
- 43) Besonen, M. R., W. Patridge, R.S. Bradley, P. Francus, **J.S. Stoner** & M. Abbott, 2008: A record of climate over the last millennium based on varved lake sediments from the Canadian High Arctic. *The Holocene*, 18, 169-180.
- 44) Evans, H. F., J. E.T. Channell, **J. S. Stoner**, C. Hillaire-Marcel, J. D. Wright, & L. C. Neitzke, G. S. Mountain 2007: Paleointensity-assisted chronostratigraphy of detrital layers on the Eirik Drift (North Atlantic) since marine isotope stage 11. *Geochemistry, Geophysics, Geosystems*., 8, Q11007, doi:10.1029/2007GC001720.
- 45) **Stoner, J. S.** & G. St-Onge, 2007: Magnetic Stratigraphy: Reversals, Excursions, Paleointensity and Secular Variation, In, *Development in Marine Geology: Volume 1, Proxies in Late-Cenozoic Paleoceanography*, C. Hillaire-Marcel and A. de Vernal editors, Elsevier, 99-138.
- 46) Tiedemann, R., A., Sturm, S. Steph, S.P. Lund & **J.S. Stoner**, 2007: Astronomically calibrated timescales from 6 to 2.5 Ma and benthic isotope stratigraphies, Sites 1236, 1237, 1239, and 1241. In Tiedemann, R., Mix, A.C., Richter, C., and Ruddiman, W.F. (Eds.), *Proc. ODP, Sci. Results*, 202: College Station, TX (Ocean Drilling Program), 1–69. doi:10.2973/odp.proc.sr.202.210.2007.
- 47) **Stoner, J. S.**, A. Jennings, G. B. Kristjansdottir, G. Dunhill, J. T. Andrews, & J. Hardardottir, 2007: A paleomagnetic approach toward refining Holocene radiocarbon-based chronologies: Paleoceanographic records from the north Iceland (MD99-2269) and east Greenland (MD99-2322) margins, *Paleoceanography*, 22, PA1209, doi:10.1029/2006PA001285.
- 48) Kristjansdottir, G. B., **J. S. Stoner**, A. Jennings, J. T. Andrews & K., Grönvold, 2007: Geochemistry of Holocene cryptotephra from the North Iceland Shelf (MD99-

- 2269): Intercalibration with radiocarbon and paleomagnetic chronostratigraphies. *The Holocene* 17, 155–175.
- 49) Lund, S., **J. S. Stoner**, G. Acton, & J. E. T. Channell, 2006: Brunhes Paleomagnetic Field Variability Recorded in Ocean Drilling Program Cores, *Phys. Earth Planet. Int.* 156, 194-204.
- 50) Lund, S., **J. S. Stoner**, J. E. T. Channell, & F. Lamy, 2006: Detailed paleomagnetic and rock magnetic variability within three Site 1233 high-resolution study intervals, in A. Mix, R. Tiedeman, and P. Blum (Eds.) *Proceedings of the Ocean Drilling Project, Scientific Results Volume 202* pp. 210-220.
- 51) Lund, S., **J. S. Stoner**, & F. Lamy, 2006: Late Quaternary Paleomagnetic Secular Variation Records and Chronostratigraphy from ODP Sites 1233 and 1234, in A. Mix, R. Tiedeman, and P. Blum (Eds.) *Proceedings of the Ocean Drilling Project, Scientific Results Volume 202* pp. 200-210.
- 52) Lamy, F. J. Kaiser, U. Ninnemann, D. Hebbeln, H. W. Arz & **J. Stoner**, 2004: Antarctic timing of surface water changes off Chile and Patagonian ice-sheet response. *Science* 304, 1959-1962.
- 53) Mejia, V., N. D. Opdyke, J. F. Vilas, B.S. Singer & **J.S. Stoner**, 2004: Paleomagnetic Secular Variation from Pliocene-Pleistocene Lavas from Southern Patagonia. *Geochemistry, Geophysics, Geosystems* 5(3) Q03H08, doi:10.1029/2003GC000633.
- 54) St-Onge, G., D. J. W. Piper, T. Mulder, C. Hillaire-Marcel & **J. S. Stoner**. 2004: Earthquake and flood-induced turbidites in the Saguenay Fjord (Québec): a Holocene paleoseismicity record. *Quaternary Science Reviews*, 23, 283-294.
- 55) Andrews, J. T., J. Hardadottir, G. B. Kristjansdottir, K. Gronvold & **J. S. Stoner**, 2003: A Very High Resolution Holocene Sediment Record (5 yr/cm) From Húnaflóaáll, N Iceland Margin: Century- to Millennial-Scale Variability Since The Vedde Tephra. *The Holocene*, 3, 625-638.
- 56) **Stoner, J. S.**, J. E. T. Channell, D. A. Hodell & C. D. Charles, 2003: A ~ 580 kyr paleomagnetic record from the sub-Antarctic South Atlantic (ODP Site 1089). *Journal of Geophysical Research*, 108(B5) 2244, doi:10.1029/2001JB001390.
- 57) Andrews, J. T., J. Hardadottir, **J. S. Stoner**, M. E. Mann, G. B. Kristjansdottir, & N. Koc, 2003: Decadal to millennial-scale periodicities in North Iceland shelf sediments over the last 12,000 cal yrs: long-term North Atlantic oceanographic variability and solar forcing. *Earth and Planetary Science Letters*, 210, 453-465.
- 58) St-Onge, G., **J. S. Stoner** & C. Hillaire-Marcel, 2003: Holocene paleomagnetic records from the St. Lawrence Estuary, Eastern Canada: centennial to millennial-scale geomagnetic modulation of cosmogenic isotopes. *Earth and Planetary Science Letters*, 209, 113-130.
- 59) Channell, J. E. T., S. Galeotti, E. E. Martin, K. Billups, H. Scher & **J. S. Stoner**, 2003: Eocene to Miocene magnetic, bio- and chemostratigraphy at ODP Site 1090 (sub-Antarctic South Atlantic). *Bulletin of the Geological Society of America*, 115, 607-625.
- 60) Larrasoana, J.C., A. P. Roberts, **J. S. Stoner**, C. Richter & R. Wehausen, 2003: A new proxy for bottom-water ventilation in the eastern Mediterranean based on diagenetically controlled magnetic properties of sapropel-bearing sediments. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 190, 221-242.
- 61) **Stoner, J. S.**, C. Laj, J. E. T. Channell & C. Kissel, 2002: South Atlantic (SAPIS) and North Atlantic (NAPIS) Geomagnetic Paleointensity Stacks (0-80 ka): Implications for Inter-Hemispheric Correlation. *Quaternary Science Reviews*, 21, 1142-1151.
- 62) Andersson, C., D. A. Warnke, J. E. T. Channell, **J. S. Stoner** & E. Jansen, 2002: The mid-Pliocene (4.3-2.6 Ma) benthic stable isotope record of the Southern Ocean: ODP

- Sites 1092 and 704, Meteor Rise *Palaeogeography, Palaeoclimatology, Palaeoecology* 182, 165-181.
- 63) Murphy, L., D. A. Warnke, C. Andersson, J. E. T. Channell, & **J. S. Stoner**, 2002: History of ice-rafting at South Atlantic ODP Site 177-1092 during the Gauss and Late Gilbert Chrons. *Palaeogeography, Palaeoclimatology, Palaeoecology* 182, 183-196.
- 64) Channell, J. E. T. & **J. S. Stoner**, 2002: Plio-Pleistocene magnetic polarity stratigraphies and diagenetic magnetite dissolution at ODP Leg 177 Sites (1089, 1091, 1093 and 1094). *Marine Micropaleontology*. 45, 269-290.
- 65) Hillaire-Marcel, C. A. de Vernal, L. Candon, G. Bilodeau & **J. Stoner**, 2001. Changes of potential density gradients in the Northwestern North Atlantic during the Last Climatic Cycle based on a Multiproxy Approach, In; D. Seidov, B. J. Haupt, and M. Maslin Eds. *The Oceans and Rapid Climate Change: Past, Present and Future*, Geophysical Monograph Series 126, 83-100.
- 66) **Stoner, J. S.**, J. E. T. Channell, C. Hillaire-Marcel & C. Kissel, 2000: Geomagnetic paleointensity and environmental record from Labrador Sea Core MD95-2024: Global marine sediment and ice core chronostratigraphy for the last 110 kyr. *Earth and Planetary Science Letters*, 183, 161-177.
- 67) Channell, J. E. T., **J. S. Stoner**, D. A. Hodell & C. D. Charles. 2000: Geomagnetic paleointensity for the last 100 kyr from the sub-Antarctic South Atlantic: a tool for interhemispheric correlation. *Earth and Planetary Science Letters* 175, 145-160.
- 68) **Stoner, J. S.**, & J. T. Andrews, 1999: The North Atlantic as a Quaternary magnetic archive. In: *Quaternary Climates, Environments, and Magnetism*, ed; B. A. Maher and R. Thompson, 49-80. Cambridge UK, Cambridge University Press.
- 69) Hodell, D. A., M. A. Brenner, S. L. Kanfoush, J. H. Curtis, **J. S. Stoner**, S. Xueliang, W. Yuan & T. Whitmore, 1999: Paleoclimate of Southwestern China for the past 50,000 yr inferred from lake sediment Records. *Quaternary Research*, 52 (3), 369-380.
- 70) Roberts, A.P., **J. S. Stoner** & C. Richter, 1999: Diagenetic magnetic enhancement of sapropels from the eastern Mediterranean Sea. *Marine Geology*, 153, 103-116.
- 71) **Stoner, J. S.**, J. E. T. Channell & C. Hillaire-Marcel, 1998: A 200 kyr geomagnetic chronostratigraphy for deep Labrador Sea sediments: Indirect correlation to SPECMAP. *Earth and Planetary Science Letters*, 159 (3-4), 165-181.
- 72) **Stoner, J. S.**, C. Richter & A. P. Roberts, 1998: Data Report: High resolution study of magnetic properties of sapropel-bearing sediments from ODP Sites 966, 967, and 969, eastern Mediterranean Sea. *Proceedings of the Ocean Drilling Program: Science Result*, 160, 75-82.
- 73) Richter, C., A. P. Roberts, **J. S. Stoner**, L. D. Benning, & C.T. Chi 1998: Paleomagnetism and magnetostratigraphy of sediments from the eastern Mediterranean Sea (ODP Leg 160). *Proceedings of the Ocean Drilling Program: Science Results*, 160, 61-73.
- 74) Robertson, A. H. F., K.-C. Emies, C. Richter, M. M. Blanc-Valleron, I. Bouloubassi, H. J. Brumsack, A. Cramp, G.J. De Lange, E. Di Stefano, R. Flecker, E. Frankel, M. W. Howell, T. R. Janecek, M. J. Jurando-Rodriguez, A. E. S. Kemp, I. Koizumi, A. Kopf, C. O. Major, Y. Mart, D. F. C. Pribnow, A. Rabaute, A. P. Roberts, J. H. Rüllkotter, T. Sakamoto, S. Spezzaferri, T. S. Staerker, **J. S. Stoner**, B. M. Whiting, J. M. Woodside, 1998: Collision-related break-up of a carbonate platform (Eratosthenes Seamount) and mud volcanism on the Mediterranean Ridge; preliminary synthesis and implications of tectonic results of ODP Leg 160 in the Eastern Mediterranean Sea. In: *Geological evolution of ocean basins; results from the Ocean Drilling Program*, ed; A. Cramp, C. J. MacLeod, S. V. Lee, E. J. W. Jones. Geological Society Special Publications 131, 243-271.

- 75) **Stoner, J. S.**, J. E. T. Channell & C. Hillaire-Marcel, 1996: The magnetic signature of rapidly deposited detrital layers from the deep Labrador Sea: Relationship to North Atlantic Heinrich Layers. *Paleoceanography*, 11 (3), 309-325.
- 76) Roberts, A. P., **J. S. Stoner** & C. Richter, 1996: Coring-induced magnetic overprints and limitations of the long-core paleomagnetic measurement technique: Some observations from ODP Leg 160, Eastern Mediterranean Sea, In: Emeis, K.-C., Robertson, A.H.F., Richter, C., et al., *Proceedings of the Ocean Drilling Program: Initial Reports*, 160, 497-504.
- 77) **Stoner, J. S.**, J. E. T. Channell & C. Hillaire-Marcel, 1995: Magnetic properties of deep sea sediments off SW Greenland: Evidence for major differences between the last two deglaciations. *Geology*, 23, 241-244.
- 78) **Stoner, J. S.**, J. E. T. Channell & C. Hillaire-Marcel, 1995: Late Pleistocene relative geomagnetic field paleointensity record from the deep Labrador Sea: Regional and global correlations. *Earth and Planetary Science Letters*, 134, 237-252.
- 79) **Stoner, J. S.**, J. E. T. Channell, C. Hillaire-Marcel & J.-C. Mareschal, 1994: High resolution rock magnetic study of a Late Pleistocene core from the Labrador Sea. *Canadian Journal Earth Sciences*, 31, 104-114.
- 80) Channell, J. E. T., R. Brandner, A. Spieler & **J. S. Stoner**, 1992: Paleomagnetism and paleogeography of the Northern Calcareous Alps (Austria). *Tectonics*, 11, 792-810.
- 81) Channell, J. E. T., C. Doglioni & **J. S. Stoner**, 1992: Jurassic and Cretaceous paleomagnetic data from the Southern Alps (Italy). *Tectonics*, 11, 811-822.

Other Publication

- 82) Carlson, A.E. & **J.S. Stoner** (Coordinating Authors), 49 additional authors, 2012: Assessing the History of the Greenland Ice Sheet through Ocean Drilling, Ocean Leadership & International Ocean Discovery Program Workshop Report. Forwarded to Ocean Leadership, the National Science Foundation & PAGES, Corvallis, OR, Nov. 2011.
- 83) Mix, A.C., R. M. Samelson, L. Padman (Editors) M. Abbott, Y. Axford, A. Bowen, J. Buening, D. Chayes, P. Clark, R. DeConto, K. Kerry, P. Gudmandsen, G. Hamilton, D. Holland, M. Jakuba, A. Jennings, M. Kelly, A. Khazendar, C. Little, B. Loose, S. Marcott, L. Mayer, G. Milne, R. Motyka, A. Muenchow, M. Nettles, J. Paden, J. Padman, T. Pfeffer, S. Praetorius, T. Rasmussen, E. Shroyer, **J. Stoner**, F. Straneo, M. Torres, A. Trehu, J. Walker (Participating Authors) 2012. Interdisciplinary Approaches to Understanding Atmosphere/Ocean/Ice-Shelf/Ice-Sheet Interactions, An NSF Workshop on Interdisciplinary Approaches to Understanding Atmosphere/Ocean/Ice-Shelf/Ice-Sheet Interactions, San Francisco, CA Dec 2011.
- 84) **Stoner, J.S.** Geomagnetic opportunities through continental drilling. In, Walton, A. W., Miller, K.G., Koeberl, C., Shervais, J., Colman, S., Hickman, S., and Clyde, W., 2009, The Future of Continental Scientific Drilling: US Perspective: DOSECC Workshop Report 1, http://www.dosecc.org/Future_of_CSD_Final_Report.pdf, 22-25p.
- 85) Channell, J.E.T., Kanamatsu, T., Sato, T., Stein, R., Alvarez Zarikian, C.A., Malone, M.J., and the Expedition 303/306 Scientists, 2006. Proc. IODP, 303/306: College Station TX (Integrated Ocean Drilling Program Management International, Inc.). doi:10.2204/iodp.proc.303306.2006
- 86) Lund, S. P, **J. S. Stoner**, A. Mix, R. Tiedeman, P. Blum, 2003: and the Leg 202 scientific party. Appendix: Observations on the Effect of a Nonmagnetic Core Barrel on Shipboard Paleomagnetic Data: Results from ODP Leg 202. In Mix, A.C.,

- Tiedemann, R., Blum, P., et al., *Proc. ODP Init. Repts.*, 202, [CD-ROM]. Ocean Drilling Program Texas A&M University, College Station TX.
- 87) Mix, A.C., Tiedemann, R., Blum, P., et al., 2003. *Proc. ODP, Init. Repts.*, 202: College Station, TX (Ocean Drilling Program). doi:10.2973/odp.proc.ir.202.2003
- 88) St-Onge, G., Bilodeau, G., de Vernal, A., Hillaire-Marcel, C., Ghaleb, B., Leduc, J., Mucci, A., Savard, J. Zhang, D., Mulder, T., Piper, D. & **Stoner, J.** Physical, magnetic, sedimentological, geochemical, isotopic and micropaleontological tracers of rapidly deposited layers in the Saguenay Fjord, Québec: from 7200 cal BP to the 1996 AD flood. *2nd International Symposium on Contaminated Sediments, Québec City. Preceding*: 103-108, 2003
- 89) Hodell, D. A., R. Gersonde, P. Blum, E. C. Andersson, K. Billups, J.E.T Channell, C.D. Charles, B. Diekmann, G. Filippelli, J.-A Flores, T. Hewitt, W. Howard, M. Ikehara, T. Janecek, S.L. Kanfoush, A. Kemp, S. King, H. Kleiven, G. Kuhn, M. Marino, U. S. Ninnemann, S. O-Connell, J. Ortiz, **J. S. Stoner**, K. Sugiyama, D. Warnke, U. Zielinski, 1998: Southern Ocean paleoceanography; preliminary results from Leg 177 *JOIDES Journal*. 24 (2) 4-6.
- 90) Gersonde, R., D.A. Hodell, D.A., Blum, P., et al., 1999. *Proc. ODP, Init. Repts.*, 177, http://www-odp.tamu.edu/publications/177_IR/177TOC.HTM
- 91) Emies, K.-C., A.H.F. Robertson, C. Richter, C., M. M. Blanc-Valleron, I. Bouloubassi, H.-J Brumsack, A. Cramp, G.J. De Lange, E. Di Stefano, R. Flecker, E. Frankel, M. W. Howell, T. R. Janecek, M. J. Jurando-Rodriguez, A. E. S. Kemp, I. Koizumi, A. Kopf, C. O. Major, Y. Mart, D. F. C. Pribnow, A. Rabaute, A. P. Roberts, J. H. Rüllkotter, T. Sakamoto, S. Spezzaferri, T. S. Staerker, **J. S. Stoner**, B. M. Whiting, J. M. Woodside, et al., 1996: *Proceedings of the Ocean Drilling Program, Initial Reports.*, Leg 160: College Station, TX (Ocean Drilling Program). doi:10.2973/odp.proc.ir.160.1996
- 92) Robertson, A. H. F., K.-C. Emies, C. Richter, M. M. Blanc-Valleron, I. Bouloubassi, H.-J Brumsack, A. Cramp, G.J. De Lange, E. Di Stefano, R. Flecker, E. Frankel, M. W. Howell, T. R. Janecek, M. J. Jurando-Rodriguez, A. E. S. Kemp, I. Koizumi, A. Kopf, C. O. Major, Y. Mart, D. F. C. Pribnow, A. Rabaute, A. P. Roberts, J. H. Rüllkotter, T. Sakamoto, S. Spezzaferri, T. S. Staerker, **J. S. Stoner**, B. M. Whiting, J. M. Woodside, 1995: Evidence of collisional processes associated with ophiolite obduction in the Eastern Mediterranean: Results from Ocean Drilling Program Leg 160. *GSA Today*, 5 (11) 214-221.
- 93) Channell, J. E. T., & **J. S. Stoner**, 1994: Comment on "Magnetostatigraphy of the Hettangian Langmoos section (Adnet, Austria): evidence for time-delayed phases of magnetization" by Y. Gallet, D. Vandamme and L. Krystyn. *Geophysical Journal International* 119, 1005-1007.

Courses Recently Taught

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