

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

Joseph S. Stoner
Professor

BIRTHDATE:
May 6, 1964

Citizenship: U.S.

Current Position: Professor
College of Earth, Ocean, and Atmospheric Sciences
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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, CEOAS, Oregon State University 2004 - 2009
- Associate Professor, CEOAS, Oregon State University 2009 - 2018
- Professor, CEOAS, Oregon State University 2018

NON-ACADEMIC POSITIONS

- Member, GEOTOP, Université du Québec à Montréal 1995 -
- Director, OSU Paleo-and-Environmental Magnetism Laboratory 2009 -
(<http://paleomag.coas.oregonstate.edu>)
- Co-Director, OSU Marine and 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, ice ocean interactions 2003
PARCS High-Res Working Group 2003 – 04
Magnetics Information Consortium (MagIC), Geological Timescale Committee 2007
National Science Foundation Panel Member 2007, 2014
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 – 2015
International Ocean Discovery Program Lecturer 2018

Currently Funded Research Projects

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)
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)
Transition Plan for Moving the Antarctic and Southern Ocean Core Collection to the OSU Marine and Geology Repository NSF-PLR1722657 1/15/17-12/32/19 (Koppers PI, Stoner co-PI \$675,104)
Oregon State University/Marine Sediment Sampling Group Ocean Instrumentation: Acquisition of a replacement shipboard multisensor track for at-sea sediment physical properties scans NSF-OCE1652059 4/1/17-3/31/18 (Lyle PI, Stoner co-PI \$260,975)
Curatorial Stewardship of the Antarctic and the Southern Ocean National Collection of Rock and Sediment Cores at the OSU Marine and Geology Repository NSF-PLR1656126 10/1/17-9/30/22 (Koppers PI, Stoner co-PI \$1,873,999)
Developing a high-resolution Holocene paleo-geomagnetic reconstruction from northern North Atlantic sediments to place the historical geomagnetic field in perspective NSF-EAR1645411 2/1/17-1/31/19 (Stoner PI, \$250,000)
Developing paleomagnetic chronologies of, and paleogeomagnetic understanding from, IODP sites U1486 and U1489 in the western Pacific warm pool NSF-OCE1737333 08/01/2017-07/31/19 (Hatfield PI, Stoner co-PI \$197,897)

Major Seagoing Expeditions (PI and/or Participant)

June	2017	RV Oceanus 1706B Columbia River Margin, co-PI & co-Chief Scientist
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) Velle, J. G. St-Onge, **J. S. Stoner**, A. C Mix, M. Walczak, J. M Jaeger, M. Forwick, 2018: A late Pleistocene environmental magnetic record of the northwestern Cordilleran Ice Sheet dynamics based on IODP Expedition 341 drill Site U1419 in the Gulf of Alaska. *Quaternary Science Review*, submitted.
- 2) Blake-Mizen, K. R. Hatfield, **J. Stoner**, A. Carlson, M. Walczak, C. Xuan; Kira Lawrence, J. Channell, I. Bailey 2018: Southern Greenland glaciation during the late Pliocene onset of Northern Hemisphere glaciation inferred from IODP Site U1307 Eirik Drift. *Earth and Planetary Science Letters*, submitted
- 3) Hatfield, R., B Wheeler, B. Reilly, **J.S. Stoner**, B. Housen 2018: Particle size specific magnetic properties across the Norwegian-Greenland Seas: Insights into the influence of source and texture on bulk magnetic records. *Geochemistry, Geophysics, Geosystems*, submitted.
- 4) Reilly, B. **J. Stoner**, R. Hatfield, M. B., Abbott, D. Marchetti, D. Larsen, M. Finkenbinder, A. Hillman, S. Kuehn, C. Heil, 2018: Regionally Consistent Western North America Paleomagnetic Directions from 15-35 ka: Assessing Chronology and Uncertainty with Paleosecular Variation (PSV) Stratigraphy. *Quaternary Science Reviews*, submitted.
- 5) Reilly, B., **J. Stoner**, P. Selkin, J. Savian, L. Meynadier, 2018: Data report: Paleomagnetic directions from IODP Expedition 354, Hole U1451A, Cores 23H and 24H, in Bengal Fan. *Proceedings of the International Ocean Discovery Program*, 354: College Station, TX
- 6) Jakobsson, M., K. A. Hogan, L. A. Mayer, A. Mix, A. Jennings, **J. Stoner**, B. Eriksson, K. Jerram, R. Mohammad, C. Pearce, B. Reilly, C. Stranne, 2018: The Holocene retreat dynamics and stability of Petermann Glacier in northwest Greenland. *Nature Communications*, DOI: 10.1038/s41467-018-04573-2
- 7) Finkenbinder, M., M. Abbott, **J. Stoner**, J. Ortiz, B. Finney, J. Dorfman, N. Stansell, 2018: Millennial-scale variability in Holocene aquatic productivity from Burial Lake, Arctic Alaska. *Quaternary Sciences Reviews*, 187, 220-234.

- 8) Balbas, A., A.A.P. Koppers, P.U. Clark, R.S. Coe, B. Reilly, **J.S. Stoner**, K. Konrad 2018: Thirty-five thousand years of geomagnetic instability before the Matuyama-Brunhes Reversal. In press, *Geochemistry, Geophysics, Geosystems*, 19 (3), 952-967
- 9) Mueller, J., O. Romero, E. A. Cowan, E. L. McClymont, M. Forwick, H. Asahi, C. März, C. M. Moy, I. Suto, A. Mix, **J. Stoner** 2018: Cordilleran ice-sheet growth fueled primary productivity in the Gulf of Alaska, NE Pacific. *Geology*, <https://doi.org/10.1130/G39904>.
- 10) Putman, N. F., M.M. Scanlan, A.M. Pollock, J.P. O'Neil, R.B. Couture, **J.S. Stoner**, T.P. Quinn, K.J. Lohmann, & D.L.G. Noakes 2018: Geomagnetic field influences upward movement of young Chinook salmon emerging from nests. *Biology Letters*, Biol. Lett. 14: 20170752. <http://dx.doi.org/10.1098/rsbl.2017.0752>
- 11) Reilly, B.T., **J.S. Stoner**, & J. Wiest 2017: SedCT: MATLAB™ tools for standardized and quantitative processing of sediment core computed tomography (CT) data collecting using a medical CT scanner. *Geochem. Geophys. Geosyst.*, 18, [doi:10.1002/2017GC006884](https://doi.org/10.1002/2017GC006884).
- 12) Hatfield, R.G., **J.S. Stoner**, B.T. Reilly, F.J. Tepley III, B.H. Wheeler, B.A. Housen, 2017: 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. *Earth and Planetary Science Letters*, 474, 474-489
- 13) Walczak, M.H., **J.S. Stoner**, A.C. Mix, J. Jaeger, G.P. Rosen, J.E.T. Channell, D. Heslop, & C. Xuan 2017: A 17,000 yr paleomagnetic secular variation record from the southeast Alaskan margin: Regional and global correlations. *Earth and Planetary Science Letters*, 477, 177-189.
- 14) 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 2017: Retreat of Columbia Glacier, Alaska: A Millennial Context. *Geology*, 45 (6): 547-550. [doi:10.1130/G38479.1](https://doi.org/10.1130/G38479.1)
- 15) 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. *Earth and Planetary Science Letters*, 454, 225–236.
- 16) 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. *Quaternary Geochronology* 36, 148-160.
- 17) 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.
- 18) 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.
- 19) 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.
- 20) 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.
 - 21) 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
 - 22) 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.
 - 23) 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.
 - 24) 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.
 - 25) 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
 - 26) 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.
 - 27) 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.
 - 28) 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>.
 - 29) 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.
 - 30) **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.
 - 31) 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.

- 32) 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.
- 33) 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.
- 34) 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.
- 35) 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.
- 36) 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.
- 37) 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.
- 38) 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.
- 39) 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
- 40) 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>
- 41) 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>.
- 42) 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.
- 43) 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.
- 44) 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.
- 45) 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.
- 46) 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.
- 47) 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.
- 48) 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.
- 49) 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.
- 50) 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.
- 51) 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.
- 52) 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.
- 53) 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.
- 54) 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.
- 55) 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.
- 56) **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.
- 57) 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.
- 58) **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.
- 59) 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.
- 60) 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.
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