

Curriculum Vitae
ELLEN THOMAS

POSITIONS

2005-present: Senior Research Scientist, Department of Geology and Geophysics, Yale University, New Haven CT

2015-present: Harold T Stearns Professor of Integrated Sciences, Wesleyan University, Middletown, CT; Smith Curator of Paleontology of the Joe Webb Peoples Museum of Natural History

1997-present: Research Professor, Department of Earth and Environmental Sciences, Wesleyan University, Middletown, CT

2012-2017: Consultant in Paleobiology, American Museum of Natural History, NY.

2013: Leverhulme Visiting Professor, School of Earth Sciences, University of Bristol, UK

2005: Visiting Professor, Dipartimento di Scienze della Terra e Geologico-Ambientali, Universita' di Bologna, Bologna, ITALY

2000-present: Curatorial Affiliate (Foraminifera), Peabody Museum, Yale University, New Haven, CT

1991-2005: Research Affiliate, Center for Study of Global Change, Department of Geology and Geophysics, Yale University, New Haven CT

1994-1995: Faculty Fellow, Associated Kyoto Program, Doshisha University, Kyoto, JAPAN

1992-1997: Research Associate Professor, Department of Earth and Environmental Sciences, Wesleyan University, Middletown, CT, USA

1990-1992: Senior Lecturer in Marine Micropalaeontology, Department of Earth Sciences and Sub-department of Quaternary Research, University of Cambridge, UK

1990-1992: University Fellow, New Hall College, University of Cambridge, UK

1985-1990: Associate Research Scientist, Department of Earth and Environmental Sciences, Wesleyan University, Middletown, CT, USA

1989-1990: Chief Scientist, Thames Science Center, New London, CT, USA

1984-1989: Adjunct Associate Research Scientist, Lamont-Doherty Geological Observatory of Columbia University, Palisades, NY, USA

1982-1984: Assistant Research Geologist, Scripps Institution of Oceanography, University of California San Diego, La Jolla, CA, USA

1979-1982: Faculty Research Associate, Department of Chemistry, Arizona State University, Tempe, AZ, USA

1975-1979: Instructor and Curator of Micropaleontological Collections, University of Utrecht, Netherlands

EDUCATION

Ph.D. 1979: University of Utrecht, Netherlands. Thesis: The development of *Uvigerina* in the Cretan Mio-Pliocene, Utrecht Micropaleontological Bulletins, vol. 23, 168 pp.

M.Sc. 1975: University of Utrecht, cum laude. Stratigraphy-micropaleontology, sedimentology, geochemistry, structural geology

B.Sc. 1971: University of Utrecht, cum laude. Earth Sciences (with biology and chemistry)

PERSONAL DATA

Citizenship: Dutch (USA resident alien); married to J. C. Varekamp, two children
Office address: Department of Geology and Geophysics, Yale University, 210 Whitney Avenue, P. O. Box 208109, New Haven, CT 06520-8109, USA; Telephone office: 1-(203) 432-5928; Fax: 1- (203) 432-3134; e-mail: ellen.thomas@yale.edu; url: <http://people.earth.yale.edu/profile/ellen-thomas/about>. Also at: Department of Earth and Environmental Sciences, Wesleyan University, 265 Church Street, Middletown CT 06459; e-mail: ethomas@wesleyan.edu; Telephone office: 1-860-685-2238; url: <http://ethomas.faculty.wesleyan.edu/>. Home address: 764 Haddam Quarter Road, Durham, CT 06422-1802, USA; Mobile: 1-(860)-304-4207.

AWARDS/HONORS:

- 2018: Tsaihwa (James) Chow Lecturer, Scripps Institution of Oceanography, San Diego CA, October 15-16
- 2016: Brady Medal, The Micropalaeontological Society
- 2013: Association for Women Geoscientists Professional Excellence Award
- 2012: Maurice Ewing Medal, American Geophysical Union and Ocean Naval Research
- 2012: Fellow of the American Geophysical Union
- 2011: Fellow of the American Association for the Advancement of Science
- 2008: Zachos, J., Pagani, M., Sloan, L., Thomas, E., and Billups, K., 2001: 'Trends, Rhythms, and Aberrations in Global Climate Change 65 Ma to Present. *Science*, 292: 686-693 among most highly cited papers in Geosciences (Thomson Reuters)
- 2007: Exceptional Reviewer, *Geology*
- 2004-2005: Distinguished Lecturer, Joint Oceanographic Institutions (http://www.usssp-iodp.org/Education/DLS/2004_2005.html)
- 1996: W. Storrs Cole Memorial Research Award, Geological Society of America
- 1995: Editor's Citation for Excellence in Refereeing, *Paleoceanography*

PROFESSIONAL SOCIETIES

American Geophysical Union, Association for Women Geoscientists, Cushman Foundation for Foraminiferal Research, Geological Society of America, Grzybowski Foundation, The Micropalaeontological Society, North American Micropaleontological Society, Paleontological Society

RESEARCH INTERESTS:

Quantitative studies of ecology and evolution of benthic foraminifera (deep-sea, marginally marine environments), as indicators of global, regional and local natural and anthropogenic environmental changes, in combination with sediment/chemical/ isotopic proxies, and climate and earth system modeling; 3D-imaging and printing of microfossils for use in research, taxonomy, education and outreach (<http://www.youtube.com/watch?v=jDFg7P1CB5U>).

TEACHING EXPERIENCE

Wesleyan University, Middletown, CT, USA (1984-2019): *Graduate Liberal Studies Program:* Oceanography; Environmental Science; History of Life; Evolutionary Theory; Global Change. *Undergraduate courses:* Oceans and Climate; Marine Ecology; Global Change; History of Life on Earth; Earth's Changing Climate; Coastal & Estuarine Environments; Paleobiology and Paleobiology lab; Life in the Oceans in the Anthropocene and Beyond; Mass Extinctions in the Oceans; Research Frontiers (2015-2019); Tutoring of students in the Wesleyan McNair program (1993); of Hughes fellows (1995, 2000, 2003), Mellon fellows (2001, 2004, 2008, 2010), WesMASS students (2015-2016); Program for Increase in Mastery in Mathematics and Sciences (PIMMS; 1998); Keck Consortium, 2008-2009.

Yale, Department of Geology and Geophysics: G&G 545, Marine Micropaleontology, 2011.

Petroleos Brasileiros (PetroBras), Rio de Janeiro, Brasil: Lectures on Paleooceanography and Paleoclimatology; Lectures and Practical, Foraminifera; Nov. 17-22, 2008

University of Bologna, Italy. Paleooceanography; Environmental Science of Coastal Environments (graduate students and post-docs); April 21 – May 2, 2008

University of Florence, Italy. Paleooceanography (graduate students, post-docs); May 2-11. 2007; April 14-18, 2008

Summer School of Paleoclimatology, Urbino, Italy: Deep-sea benthic foraminifera (<http://ethomas.web.wesleyan.edu/BFhandout.htm>); graduate students and postdoctoral scholars, 2005, 2013.

Associated Kyoto Program, Doshisha University, Kyoto (Japan): undergraduate course "History of Japan: the last 350 million years", with J. C. Varekamp (1995)

Open University, Heerlen, Netherlands: author of two units, 1. The Deep-Sea Record of Global Climate Change, 1993; 2. Catastrophes in Earth History; 1993. Author of chapters in volumes on Geology and Plate Tectonics, 1991.

Cambridge University, Cambridge, UK: 1990-1992. Natural Sciences Tripos, part II: lectures and practicals in Marine Micropalaeontology and Palaeoceanography; Natural Sciences Tripos, part IB: lectures and practicals in Palaeoceanography; Natural Sciences Tripos, part IA: practicals in Earth Sciences (Palaeontology), excursion to Dorset (UK).

New Hall College, Cambridge, UK: tutoring of students in the Earth Sciences, Natural Sciences Tripos parts IA and IB; 1990-1992

Thames Science Center, New London, USA: Summer Institute for Teachers: oceanography and environmental sciences; development of environmental science activities and multimedia-computer software for teachers and students, K-12

University of Utrecht, Netherlands: undergraduate field camp (structural geology, stratigraphy), historical geology with paleontology lab (undergraduate), benthic foraminifera (graduate), statistical methods in micropaleontology (graduate); 1975-1979

EDITORIAL EXPERIENCE

- Editor-in-Chief, *Paleoceanography*, 2015-2019
- Editor, *Geology*; 2012-2015
- Member review panel of '*Understanding Earth's Deep Past: Lessons for Our Climate Future*', The National Academies, 194 pages, 2010-2011.
- Contributor Science Plan 2013-2023, International Ocean Discovery Program: *Exploring the Earth under the Sea*, 84 pages, 2010-2011.
- Editor, *Marine Micropaleontology*; 2003-2010
- Member *Micropaleontology Press* Board of Advisors, 1999 - 2012
- Editorial Board *Palaeogeography, Palaeoclimatology, Palaeoecology*, 1998 -2015
- Scientific Advisory Committee, *Encyclopedia of Ocean Sciences*, 1999 - 2009
- Editorial Board *Marine Micropaleontology*; 1991- 2003; 2010-present
- Editorial Board *Geology*, 2000-2002
- Associate Editor, *Paleoceanography*; 1996 - 2002
- Co- Editor: Wing, S., Gingerich, P., Schmitz, B., and Thomas, E., *Causes and Consequences of Globally Warm Climates of the Paleogene*, GSA Special Paper 369. 2001-2003
- Editorial board, Ocean Drilling Program Proceedings, volume 120
- Science editor, volumes 85 and 94, Initial Reports of the Deep Sea Drilling Project

PROFESSIONAL COMMITTEES/PANELS

- IODP ECORD Facility Board, member, 2017-2019
- Scientific Committee, FORAMS 2018 Symposium, 17-22 June 2018, Edinburgh, UK
- NSF Panel Marine Geology & Geophysics, 2016
- Member at Large (Paleosciences), GSA Research Grants Committee, 2015-2018.
- Maurice Ewing Medal Selection Committee, AGU, 2015-2016
- Scientific Committee for the Meeting on Climate and Biota of the Early Paleogene (CBEP), Ferrara (Italy), 2014
- Committee for Evaluation of Research in Earth Sciences, Norway, March-July 2011
- Scientific Committee for the Meeting on Climate and Biota of the Early Paleogene (CBEP), Salzburg (Austria), 2011
- Integrated Ocean Drilling Program (IODP), Paleontology Coordination Group, 2010-2013
- Integrated Ocean Drilling Program (IODP), Science and Technology Panel (STP), 2008-2011
- Scientific Committee FORAMS 2010, 2008-2010 (September 2010, Bonn, Germany)
- Voting Member, International Sub-commission on Paleogene Stratigraphy, 2004-present
- Cushman Foundation Board of Directors, 2001-2013; Vice President, 2003-2004; President 2004-2005
- Scientific Committee for the Meeting on Climate and Biota of the Early Paleogene (CBEP), Wellington, New Zealand, January 2009.
- US representative, IGCP 476 "Monsoon evolution and tectonics-climate linkage in East Asia and its marginal seas during the late Cenozoic", 2004-2007

- Biogeology Centre Funding Panel, NWO Council for Earth and Life Sciences (Netherlands), 2004-2008
- Scientific Committee for the Meeting on Climate and Biota of the Early Paleogene (CBEP), Bilbao, Spain, June 2006 (2004-2006)
- Scientific Advisory Committee FORAMS 2006, 2004-2006 (September 10-15, 2006, Natal, Brazil)
- US Science Advisory Committee (USSAC) of the Ocean Drilling Program (ODP) and IODP, 2001-2004
- Scientific Committee, NSF, evaluate 'ANDRILL: Investigating Antarctica's Role in Cenozoic Environmental Change', 2003.
- Educational Steering Committee of USSAC 2002-2003
- Panel 'Spinoza Award' (annual budget ~ €4.5-6.0M), Netherlands, 2000-2003
- Scientific Review Committee for the Centres of Research Excellence Fund (CoRE), Royal Society of New Zealand (Marine Sciences), 2001-2002
- Science Advisory Committee, Connecticut Audubon Center at Milford Point, 1997 - 2003
- Ocean Drilling Program, Science Steering and Evaluation Panel on the Dynamics of the Earth's Environment (ESSEP), 1997 - 1999
- Ocean Drilling Program, Liaison ESSEP to 'Extreme Climates' Program Planning Group, 1998-1999
- Scientific Advisory Committee for Marine aspects of Earth System History (NSF), 1993 - 2001
- Ocean Drilling Program, Scientific Measurements Panel, Ad Hoc Committee on JANUS database (Benthic Foraminifera), 1997 - 2003
- Ocean Drilling Program, Computer User Group Paleontology, 1995-1997
- Chair of session 'Biotic Response to Major Climate Change', 6th International Paleoceanography Meeting (August 1998, Lisbon, Portugal)
- Ocean Drilling Program Shipboard Measurements Panel, 1989 - 1995
- Ocean Drilling Program Information Handling Panel, 1993 - 1995
- Ocean Drilling Program IHP and SMP Paleontologic Working Group, 1993-1995
- UK Science Committee for Ocean Drilling, 1990 - 1992

GRANTS:

- NSF, Marine Geology & Geophysics: COLLABORATIVE RESEARCH: Refining foraminiferal I/Ca as a paleoceanographic proxy for the glacial Atlantic Ocean. With Z. Lu (Syracuse University), A. Ridgwell (University of California, Riverside), total \$423,739.-; Wesleyan \$59,263.-; July 31, 2017-2020.
- International Continental Scientific Drilling Program, Pearson, P. A. and 33 others; E. Thomas, US lead-scientist, Tanzanian Onshore Paleogene Integrated Coring (TOPIC), \$1,023,485.-.
- NSF, Marine Geology & Geophysics: COLLABORATIVE RESEARCH: Evaluating Deep-Sea Ventilation and the Global Carbon Cycle during early Paleogene Hyperthermals. With A. Winguth, C. Winguth, E. Griffith (University Texas Arlington), P. Hull (Yale), total \$619,132.-; Wesleyan \$105,044.-; July 31, 2015-

2019.

- General Research Fund, Hongkong, China, with M. Yasuhara (Hongkong), G. Hunt (Smithsonian Institution Paleobiology, USA), and S. Schellenberg (UCSD, USA), Environmental Change, Ecosystems and Evolution in the Deep Ocean: a coupled approach using Foraminifera and Ostracodes, 2015-2018, US \$80,000.-
- Paleontological Society, with P. Hull and A. Motto (Yale University and Peabody Museum), Outreach and Educational Grant, Foraminifera and Changing Cenozoic Climate; \$2500.-, 2014-2015
- International Continental Scientific Drilling Program, Pearson, P. A., Wellington, H., Nicholas, C. J., Thomas, E., and Wade, B., Workshop on Tanzanian Onshore Paleogene Integrated Coring (TOPIC), September 2014, Dar Es Salaam, Tanzania, \$60,000.-
- Leverhulme Foundation, UK: D. Schmidt, A. Ridgewell, R. Pancost and E. Thomas: Visiting Professorship University Bristol, UK, Jan.-June 2013, \$61,905.-
- NSF, Marine Geology & Geophysics: COLLABORATIVE RESEARCH: Iodine in Foraminifera, a proxy for ocean deoxygenation during the Paleocene-Eocene Thermal Maximum. With Z. Lu, Syracuse University. \$390,850.-; Yale \$150,929.; 1 Sept. 2012 - 31 August 2016.
- NSF, Division of Biological Infrastructure (Collections in Support of Biological Research): Natural History Collections: Addressing a critical need to conserve and digitize the Microfossil Collection (Invertebrate Paleontology) at the American Museum of Natural History, NY. Landman, N., O'Leary, R., and Thomas, E., \$187,110.-; 1 June 2012- 31 May 2016. Produced 3D files of foraminifera, made available for printing.
- Long Island Sound Futures Fund: Raising awareness of rising sea-levels in coastal marshes. \$35,000.-; 2011-2012; M.-B. Decker (FES), P. Raymond (FES), J. Alonzo (Peabody Museum), A. Felson (FES), M. Smith (EEB), E. Thomas (G&G).
- Yale Climate and Energy Institute: Global Warming Impacts on Connecticut Salt Marsh Ecosystems; M. Smith, P. Raymond, K. Seto, A. Felson and E. Thomas. 2010-2012, \$99,723.-.
- NSF, Marine Geology & Geophysics: COLLABORATIVE RESEARCH: Reconstructing deep sea acidification during the Paleocene-Eocene Thermal Maximum. With J. C. Zachos (University of California, Santa Cruz) , R. Zeebe (University of Hawaii), and B. Hoenisch (Lamont-Doherty Earth Observatory. \$650,000.-; Thomas subcontract: \$173,888.-; 2009-2011.
- Yale Institute for Biospheric Studies: P. Raymond, M. B. Decker, G. Benoit, P. Turner, E. Thomas: The Center for Long Island Sound Studies. \$81,400.-, 2009-2011
- Keck Geology Consortium, 2008 Research Program 'Block Island: a microcosm for the study of anthropogenic and natural environmental change', June-July 2008, \$36,300.- (with J. C. Varekamp, Wesleyan University)
- NSF, Marine Geology & Geophysics: The Cretaceous/Tertiary Boundary: deep-sea benthic foraminifera and the oceanic carbon cycle; August 1 2007- 30 June 2011, \$250,001.-; OCE -0720049

- Royal Society of New Zealand Marsden Fund: Causes of Evolution and Global Extinction in the Deep Sea, B. A. Hayward, PI, \$630,000.-; Dec. 2006 - Dec. 2009
- USSAC/NSF: Participation in ODP Leg 208, cruise salary and post-cruise funding, \$50,109.-, 2003-2006
- NSF: COLLABORATIVE RESEARCH: Consequences of Greenhouse Warming for Biocomplexity and Biogeochemical Cycles: a multidisciplinary case study across the Paleocene/Eocene boundary, PIs J. Zachos, G. Dickens, P. Koch, E. Thomas, P. Delaney, L. Sloan, T. Bralower, J. Meng, S. Wing, L. Kump, \$2,500,000.-; Wesleyan subcontract \$216,710.-; 2001-2007; EAR 0120727.
- NSF: Research Coordination Network: The North Atlantic Project: Historical Ecology of the Trans-Atlantic Basin; PI: C. Cunningham, Duke University, Department of Biology; \$499,803.-; 2002-2007. Member of the Steering Group.
- Wesleyan University, Innovation in Teaching, with A. C. Burke, \$7400.- (2001-2002), for development of interdisciplinary course E&E111/BIOL111.
- Connecticut Department of Environmental Protection: 'Environmental Change in Long Island Sound in the Recent Past: Eutrophication and Climate Change': \$123,605.- (2001-2004); with J. C. Varekamp
- Long Island Sound Study (EPA-Sea Grant): Environmental Change in Long Island Sound over the last 400 years: \$75,909.- (2000-2003); with J. C. Varekamp
- Connecticut Sea Grant: The Long Island Sound Paleo-Environment Program: Connecting Past and Present (2000-2003): \$58,000.-; with J. C. Varekamp
- USGS, Woods Hole: Foraminifera in Long Island Sound, 1999, \$2500.-
- Environmental Change in and around Long Island Sound: Natural and Anthropogenic Factors, Connecticut Sea Grant (1998-2000): \$47,570.-; with J. C. Varekamp
- Connecticut Sea Grant (1997-1999): How salt marshes grow: \$57,000.-; with J. C. Varekamp
- Subcontract NSF Grant University California Santa Cruz (1994-1996): Late Paleocene Thermal Maximum, ODP Site 865: \$36,470.-
- NOAA Global Change Program, Sea level rise in Connecticut (1994-1996): \$99,972; with J. C. Varekamp
- Connecticut Sea Grant (1994-1996): \$56,000.-; with J. C. Varekamp
- NOAA Global Change Program (1992-1994): \$109,620; with J. C. Varekamp
- NSF-USSAC Grant (ODP Leg 113; 1987-1988): \$36,724
- Connecticut Sea Grant, coastal salt marsh studies (1992-1994): \$38,000; with J. C. Varekamp
- Connecticut Sea Grant, coastal salt marsh studies (1990-1991): \$19,000; with J. C. Varekamp

DRILLING PROPOSALS, co-proponent:

Active proposals:

- IODP Full Proposal 862 (submitted 2014): Westerhold, T., Bohaty, S., Thomas, E., Scher, H., Spiess, V., Wilson, P., Moore, T., Barbeau, D., Roehl, U., Agnini, C., Florindo, F., Robinson, S., Whiteside, J., and Wise, S., Maurice Ewing Bank – Georgia

basin depth transect: a Southern Ocean perspective on Paleogene climate evolution.

- IODP Full Proposal 868 (submitted 2014): Hernandez-Molina, J., Larter, R. D., Thomas, E., Eagles, G., Bohyo, F., Lodolo, E., Chuang, X., Dalziel, I. W. D., Stow, D. A. V., Escutia, C., Biddle, J., Sijp, W., Harwood, D., and Tassone, A., Drake-Scotia Seaways: global significance.

Drilling Expeditions proposed and drilled:

- ODP Leg 208 (Walvis Ridge)
- IODP Expedition 342 (Paleogene Newfoundland Sediment Drifts)
- IODP Expedition 362 (Sumatra Subduction Zone)
- IODP Expedition 371 (Tasman Frontier, SW Pacific)

STATISTICS:

Google scholar h-factor 60; publications with >10 citations: 134; refereed publications 153 (incl. 5 in *Science*, 2 in *Nature*, 1 in *Nature Geoscience*, 3 in *Proc. Nat. Acad. Sci.*); other publications 42; abstracts 418; citations >19,500.

PUBLICATIONS (Refereed Journals):

1. Thomas, E., 1977. Biometric study of *Planorbulinella* from the Gulf of Aqaba (Elat). *Utrecht Micropaleontological Bulletin*, 15: 171-204
2. Thomas, E., 1979. Evolution in *Uvigerina*. *Annales de Géologie des Pays Helléniques*, Hors Séries, 2: 1281-1285
3. Thomas, E., 1980. The development of *Uvigerina* in the Cretan Mio-Pliocene. *Utrecht Micropaleontological Bulletin*, 23 (168 pp.); <http://dspace.library.uu.nl/handle/1874/205850>
4. Van der Zwaan, G. J., and Thomas, E., 1980. Late Miocene environmental evolution of the Mediterranean area: stable isotopes of planktonic and benthic foraminifera from Crete. *Koninklijke Nederlandse Akademie van Wetenschappen, Proceedings*, B83: 327-343
5. Thomas, E., Varekamp, J. C., and Buseck, P. R., 1982. Zinc enrichment in phreatic ashes of Mt. St. Helens. *Journal of Volcanology and Geothermal Research*, 12: 339-350; doi: 10.1016/0377-0273(82)90033-6
6. Varekamp, J. C., and Thomas, E., 1982. Chalcophile elements in Cretaceous/ Tertiary boundary sediment: terrestrial or extraterrestrial? *Geological Society of America, Special Paper*, 190: 461-467; doi: 10.1130/SPE190-p461
7. Thomas, E., and Buseck, P. R., 1983. Characterization of the aerosol at a rural location in eastern Arizona. *Atmospheric Environment*, 17: 2299-2301; doi:10.1016/0004-6981(83)90228-7
8. Thomas, E., 1985. Late Eocene to Recent deep-sea benthic foraminifera from the central equatorial Pacific Ocean. *Initial Reports Deep Sea Drilling Project*, 85: 655-679; http://www.deepseadrilling.org/85/volume/dsdp85_17.pdf
9. Miller, K. G., and Thomas, E., 1985. Late Eocene to Oligocene benthic foraminiferal isotopic record, Site 574, equatorial Pacific. *Initial Reports Deep Sea Drilling Project*, 85: 771-777; http://www.deepseadrilling.org/85/volume/dsdp85_23.pdf

10. Barron, J. A., Nigrini, K. A., Pujos, A., Saito, T., Theyer, F., Thomas, E., and Weinreich, N., 1985. Synthesis of central equatorial Pacific DSDP Leg 85 biostratigraphy: refinement of Oligocene to Recent biostratigraphy. *Initial Reports Deep Sea Drilling Project*, 85: 905-934; http://www.deepseadrilling.org/85/volume/dsdp85_30.pdf
11. Theyer, F., Mayer, L. A., Barron, J. A., and Thomas, E., 1985. The equatorial Pacific high-productivity belt: elements for a synthesis of DSDP Leg 85 results. *Initial Reports Deep Sea Drilling Project*, 85: 971-985; http://deepseadrilling.org/85/volume/dsdp85_33.pdf
12. Thomas, E., 1986. Changes in composition of Neogene benthic foraminiferal faunas in equatorial Pacific and north Atlantic. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 53: 47-61; doi: 10.1016/0031-0182(86)90038-6
13. Thomas, E., 1986. Early to middle Miocene benthic foraminiferal faunas from DSDP Sites 608 and 610, North Atlantic. *Geological Society London Special Publication*, 21: 205-218; doi:10.1144/GSL.SP.1986.021.01.15
14. Varekamp, J. C., Thomas, E., Germani, M. S., and Buseck, P. R., 1986. Particle geochemistry of volcanic plumes of Etna and Mount St. Helens. *Journal of Geophysical Research*, Solid Earth, 91: 12,233-12,248; doi: 10.1029/JB091iB12p12233
15. Thomas, E., 1987. Late Oligocene to Recent benthic foraminifers from DSDP Sites 608 and 610, northeastern Atlantic Ocean. *Initial Reports Deep Sea Drilling Project*, 94: 997-1032; http://www.deepseadrilling.org/94/volume/dsdp94pt2_33.pdf
16. Miller, K. G., Fairbanks, R. G., and Thomas, E., 1987. Benthic foraminiferal carbon isotopic records and the development of abyssal circulation in the eastern North Atlantic. *Initial Reports Deep Sea Drilling Project*, 94: 981-996; http://deepseadrilling.org/94/volume/dsdp94pt2_32.pdf
17. Baldauf, J. G., Thomas, E., Clement, B., Takayama, T., Weaver, P. P. E., Backman, J., Jenkins, D. G., Mudie, P. J., and Westberg-Smith, J., 1987. Deep Sea Drilling Project Leg 94 magnetostratigraphic and biostratigraphic synthesis. *Initial Reports Deep Sea Drilling Project*, 94: 1159-1206; http://www.deepseadrilling.org/94/volume/dsdp94pt2_46.pdf
18. Ruddiman, W. F., Backman, J., Baldauf, J., Hooper, P., Keigwin, L. D., Miller, K. G., Raymo, M., and Thomas, E., 1987. Leg 94 Paleoenvironmental synthesis. *Initial Reports Deep Sea Drilling Project*, 94: 1207-1216; http://www.deepseadrilling.org/94/volume/dsdp94pt2_47.pdf
19. Palais, J., Kyle, P. R., Mosley-Thomson, E., and Thomas, E., 1987. Correlation of a 3200 year old tephra in ice cores from Vostok and South Pole Stations, Antarctica. *Geophysical Research Letters*, 14: 804-807; doi:10.1029/GL014i008p00804
20. Thomas, E., and Vincent, E., 1987. Major changes in benthic foraminifera in the equatorial Pacific before the middle Miocene polar cooling. *Geology*, 15: 1035-1039; doi: 10.1130/0091-7613(1987)15<1035:EPDBFF>2.0.CO;2
21. Thomas, E., and Vincent, E., 1988. Early to middle Miocene deep-sea benthic foraminifera in the equatorial Pacific. *Révue de Paléobiologie, Special Volume*, 2 (BENTHOS '86): 583-588
22. Thomas, E., 1989. Development of Cenozoic deep-sea benthic foraminiferal faunas in Antarctic waters. *Geological Society London Special Publication*, 47: 283-296; doi:10.1144/GSL.SP.1989.047.01.21

23. Thomas, E., 1990. Late Cretaceous through Neogene deep-sea benthic foraminifers (Maud Rise, Weddell Sea, Antarctica). *Proceedings ODP, Scientific Results*, 113: 571-594; http://www-odp.tamu.edu/publications/113_SR/VOLUME/CHAPTERS/sr113_35.pdf
24. Thomas, E., Barrera, E., Hamilton, N., Huber, B. T., Kennett, J. P., O'Connell, S. B., Pospichal, J. J., Spieß, V., Stott, L. D., Wei, W., and Wise, S. W. Jr., 1990. Upper Cretaceous-Paleogene stratigraphy of Sites 689 and 690, Maud Rise (Antarctica). *Proceedings ODP, Scientific Results*, 113: 901-914; http://www-odp.tamu.edu/publications/113_SR/VOLUME/CHAPTERS/sr113_51.pdf
25. Thomas, E., 1990. Late Cretaceous-early Eocene mass extinctions in the deep sea. *Geological Society of America Special Publication*, 247, 481- 495; doi: 10.1130/SPE247-p481
26. Thomas, E., and Varekamp, J. C., 1991. Paleo-environmental analyses of marsh sequences (Clinton, CT): evidence for punctuated rise in relative sea-level during the latest Holocene. *Journal of Coastal Research, Special Issue*, 11: 125-158; <http://www.jstor.org/stable/25735577>
27. Thomas, E., 1992. Middle Eocene - late Oligocene bathyal benthic foraminifera (Weddell Sea): faunal changes and implications for ocean circulation. In: Prothero, D. R., and Berggren, W. A., eds., *Late Eocene-Oligocene climatic and biotic evolution*, Princeton University Press, 245-271; <http://www.jstor.org/stable/j.ctt7zvp65.17>
28. Varekamp, J. C., Thomas, E., and Van de Plassche, O., 1992. Relative sea-level rise and climate change over the last 1500 years (Clinton, CT, USA). *Terra Nova*, 4: 293-304; doi:1111/j.1365-3121.1992.tb00818.x
29. Thomas, E., 1992. Cenozoic deep-sea circulation: evidence from deep-sea benthic foraminifera. *AGU Antarctic Research Series*, 56: 141-165. doi: 10.1029/AR056p0141
30. Eldholm, E., and Thomas, E., 1993. Environmental impact of volcanic margin formation. *Earth and Planetary Science Letters*, 117: 319-329. doi:10.1016/0012-821X(93)90087-P
31. Smart, C. W., King, S. C., Gooday, A., Murray, J. W., and Thomas, E., 1994. A benthic foraminiferal proxy of pulsed organic matter paleofluxes. *Marine Micropaleontology*, 23: 89-99. doi:10.1016/0377-8398(94)90002-7
32. Thomas, E., Booth, L., Maslin, M., and Shackleton, N. J., 1995. Northeastern Atlantic benthic foraminifera during the last 45,000 years: productivity changes as seen from the bottom up. *Paleoceanography*, 10: 545-562; doi: 10.1029/94PA03056
33. Maslin, M. A., Adams, J., Thomas, E., Faure, H., and Haines-Young, R., 1995. Estimating the carbon transfer between the ocean, atmosphere and the terrestrial biosphere since the last glacial maximum. *Terra Nova*, 7: 358-366; doi: 10.1111/j.1365-3121.1995.tb00805.x
34. Nydick, K., Bidwell, A., Thomas, E., and Varekamp, J. C., 1995. A sea-level rise curve from Guilford, CT. *Marine Geology*, 124: 137-159; doi: /10.1016/0025-3227(95)00037-Y
35. Bralower, T. J., Zachos, J. C., Thomas, E., Parrow, M. N., Paull, C. K., Kelly, D. C., Premoli-Silva, I., and Sliter, W. V., 1995. Late Paleocene to Eocene Paleooceanography of the Equatorial Pacific Ocean: Stable Isotopes recorded at ODP Site 865, Allison Guyot. *Paleoceanography*, 10: 841-865; doi: 10.1029/95PA01143

36. Smart, C. W., Murray, J. W., and Thomas, E., 1996. New observations on *Seabrookia rugosa* Watanabe, 1989 (Foraminifera). *Journal of Foraminiferal Research*, 26, 24-26; doi: [10.2113/gsjfr.26.1.24](https://doi.org/10.2113/gsjfr.26.1.24)
37. Thomas, E., and Shackleton, N. J., 1996. The Palaeocene-Eocene benthic foraminiferal extinction and stable isotope anomalies. *Geological Society London Special Publication*, 101: 401-441; <http://dx.doi.org/10.1144/GSL.SP.1996.101.01.20>
38. Thomas, E., and Gooday, A. J., 1996, Deep-sea benthic foraminifera: tracers for Cenozoic changes in oceanic productivity? *Geology*, 24: 355-358; [https://doi.org/10.1130/0091-7613\(1996\)024<0355:CDSBFT>2.3.CO;2](https://doi.org/10.1130/0091-7613(1996)024<0355:CDSBFT>2.3.CO;2)
39. Kelly, D. C., Bralower, T. J., Zachos, J. C., Premoli-Silva, I., and Thomas, E., 1996. Rapid diversification of planktonic foraminifera in the tropical Pacific (ODP Site 865) during the late Paleocene thermal maximum, *Geology*, 24: 423-426; [https://doi.org/10.1130/0091-7613\(1996\)024<0423:RDOPFI>2.3.CO;2](https://doi.org/10.1130/0091-7613(1996)024<0423:RDOPFI>2.3.CO;2)
40. Steineck, P. L., and Thomas, E., 1996, The latest Paleocene crisis in the deep-sea: ostracode succession at Maud Rise, Southern Ocean, *Geology*, 24: 583-586; [https://doi.org/10.1130/0091-7613\(1996\)024<0583:TLPCIT>2.3.CO;2](https://doi.org/10.1130/0091-7613(1996)024<0583:TLPCIT>2.3.CO;2)
41. Maslin, M. A., Hall, M. A., Shackleton, N. J., and Thomas, E., 1996, Calculating surface-water pCO₂ from foraminiferal organic δ¹³C, *Geochimica Cosmochimica Acta*, 60: 5089-5100, doi:10.1016/S0016-7037(96)00283-9
42. Barrera, E., Savin, S. M., Thomas, E., and Jones, C. E., 1997. Evidence for thermohaline circulation reversals controlled by sea-level change in the latest Cretaceous, *Geology*, 25: 715-718; [https://doi.org/10.1130/0091-7613\(1997\)025<0715:EFTCRC>2.3.CO;2](https://doi.org/10.1130/0091-7613(1997)025<0715:EFTCRC>2.3.CO;2)
43. Bralower, T. J., Thomas, D. J., Zachos, J. C., Hirschmann, M., Röhl, U., Sigurdsson, H., Thomas, E. and Whitney, D., 1997, High-resolution records of the Late Paleocene Thermal Maximum and Caribbean volcanism: is there a causal link? *Geology*, 25: 963-965; [https://doi.org/10.1130/0091-7613\(1997\)025<0963:HRROTL>2.3.CO;2](https://doi.org/10.1130/0091-7613(1997)025<0963:HRROTL>2.3.CO;2)
44. Maslin, M. A., Thomas, E., Shackleton, N. J., Hall, M. A., and Seidov, D., 1997. Glacial Northeast Atlantic surface water pCO₂: productivity and deep-water formation. *Marine Geology*, 144: 177-190; [https://doi.org/10.1016/S0025-3227\(97\)00079-0](https://doi.org/10.1016/S0025-3227(97)00079-0)
45. Varekamp, J. C., and Thomas, E., 1998, Sea Level Rise and Climate Change over the Last 1000 Years, *EOS*, 79: 69-75
46. Saffert, H. L., and Thomas, E., 1998, Living Foraminifera in Salt Marsh Peat Cores: Kelsey marsh (Clinton, CT) and the Great Marshes (Barnstable, MA), *Marine Micropaleontology*, 33: 175-202; [https://doi.org/10.1016/S0377-8398\(97\)00035-2](https://doi.org/10.1016/S0377-8398(97)00035-2)
47. Varekamp, J.C. and Thomas, E., 1998, Volcanic and anthropogenic contributions to global weathering budgets. *Journal of Geochemical Exploration*, 62: 149-159; [https://doi.org/10.1016/S0375-6742\(97\)00064-2](https://doi.org/10.1016/S0375-6742(97)00064-2)
48. Sloan, L. C., and Thomas, E., 1998, General Climate during the Late Paleocene Thermal Maximum, In: M.-P. Aubry, S. Lucas, and W. A. Berggren, eds., *Late Paleocene-early Eocene Biotic and Climatic Events in the Marine and Terrestrial Records*, Columbia University Press, 138-157
49. Thomas, E., 1998, The biogeography of the late Paleocene benthic foraminiferal extinction, In: M.-P. Aubry, S. Lucas, and W. A. Berggren, eds., *Late Paleocene-early*

Eocene Biotic and Climatic Events in the Marine and Terrestrial Records, Columbia University Press, 214-243

50. Gupta, A., and Thomas, E., 1999, Latest Miocene - Pleistocene productivity and deep-sea ventilation in the northwestern Indian Ocean (DSDP Site 219), *Paleoceanography*, 14: 62-73; <https://doi.org/10.1029/1998PA900006>
51. Adams, J. A., Maslin, M. A., and Thomas, E., 1999, Sudden climate transitions during the Quaternary. *Progress in Physical Geography*, 23: 1-36; <https://doi.org/10.1177/030913339902300101>
52. Thomas, E., Zachos, J. C., and Bralower, T. J., 2000, Deep-Sea Environments on a Warm Earth: latest Paleocene - early Eocene. B. Huber, K. MacLeod, and S. Wing eds., *Warm Climates in Earth History*, Cambridge University Press, 132-160.
53. Ohkushi, K., Thomas, E., and Kawahata, H., 2000, Abyssal benthic foraminifera from the Northwestern Pacific (Shatsky Rise) during the last 298 kyr, *Marine Micropaleontology*, 119-147. [https://doi.org/10.1016/S0377-8398\(99\)00040-7](https://doi.org/10.1016/S0377-8398(99)00040-7)
54. Thomas, E., Gapotchenko, T., Varekamp, J. C., Mccray, E. L., and Buchholtz ten Brink, M. R., 2000, Benthic foraminifera and environmental changes in Long Island Sound, *Journal of Coastal Research*, 16: 641-655; https://www.jstor.org/stable/4300076?seq=1#metadata_info_tab_contents
55. Thomas, E., Turekian, K. K., and Wei, K.-Y., 2000, Productivity Control of Fine Particle Transport to Equatorial Pacific Sediment. *Global Biogeochemical Cycles*, 14: 945-955; <https://agupubs.onlinelibrary.wiley.com/doi/abs/10.1029/1998GB001102>.
56. Zachos, J., Pagani, M., Sloan, L., Thomas, E., and Billups, K., 2001, Trends, Rhythms, and Aberrations in Global Climate Change 65 Ma to Present. *Science*, 292: 686-693. Doi: <http://science.sciencemag.org/content/292/5517/686>
57. Gupta, A. K., Joseph, S., and Thomas, E., 2001. Species diversity of Miocene deep-sea benthic foraminifera and water mass stratification in the northeastern Indian Ocean. *Micropaleontology*, 47: 111-124. <https://doi.org/10.2113/47.2.111>
58. Thomas, E., 2001. Paleooceanography: Overview. *Encyclopedia of Ocean Sciences*, J. H. Steele, S. A. Thorpe, K. K. Turekian, eds. (Academic Press), 2077-2082.
59. Alegret, L., Molina, E., and Thomas, E., 2001. Benthic Foraminifera at the Cretaceous/Tertiary boundary around the Gulf of Mexico. *Geology*, 29: 891-894; [https://doi.org/10.1130/0091-7613\(2001\)029<0891:BFATCT>2.0.CO;2](https://doi.org/10.1130/0091-7613(2001)029<0891:BFATCT>2.0.CO;2)
60. Alegret, L., and Thomas, E., 2001. Upper Cretaceous and lower Paleogene benthic Foraminifera from northeastern Mexico. *Micropaleontology*, 47: 269-316. <https://www.jstor.org/stable/pdf/1486031.pdf>
61. Alegret, L., I. Arenillas, I., Arz, A., Liesa, C., Meléndez, A., Molina E., Soria, A. R., and Thomas, E., 2002. The Cretaceous/Tertiary boundary: sedimentology and micropalaeontology at El Mulato section, NE Mexico, *Terra Nova*, 14: 330-336. <https://onlinelibrary.wiley.com/doi/abs/10.1046/j.1365-3121.2002.00425.x>
62. Thomas, D. J., Zachos, J. C., Bralower, T. J., Thomas, E., and Bohaty, S., 2002. Warming the Fuel for the Fire: Evidence for the thermal dissociation of methane hydrate during the Paleocene-Eocene thermal maximum. *Geology*, 30: 1067-1070; [https://doi.org/10.1130/0091-7613\(2002\)030<1067:WTFFTF>2.0.CO;2](https://doi.org/10.1130/0091-7613(2002)030<1067:WTFFTF>2.0.CO;2)
63. Gupta, A. K., and Thomas, E., 2003. Initiation of Northern Hemisphere glaciation and strengthening of the northeast Indian Monsoon: Records from ODP Site 758, eastern

- equatorial Indian Ocean. *Geology*, 31: 47-50; doi: 10.1130/0091-7613(2003)031<0047:IONHGA>2.0.CO;2
64. Katz, M. E., Wright, J. D., Katz, D. R., Miller, K. G., Pak, D. K., Shackleton, N. J., and Thomas, E., 2003. Early Cenozoic benthic foraminiferal isotopes: species reliability and interspecies correction factors. *Paleoceanography*, 18: No. 2, 1024, doi: 10.1029/2002PA000798
65. Alegret, L., Molina, E., and Thomas, E., 2003. Benthic foraminiferal faunal turnover across the Cretaceous/Tertiary Boundary at Agost (Southeastern Spain). *Marine Micropaleontology*, 48: 251-279; doi:10.1016/S0377-8398(03)00022-7
66. Thomas, E., 2003. Extinction and food at the sea floor: a high-resolution benthic foraminiferal record across the Initial Eocene Thermal Maximum, Southern Ocean Site 690. In: Wing, S., Gingerich, P., Schmitz, B., and Thomas, E., eds. Causes and Consequences of Globally Warm Climates of the Paleogene, *GSA Special Paper*, 369: 319-332; doi: 10.1130/0-8137-2369-8.319
67. Dickens, G. R., Fewless, T., Thomas, E., and Bralower, T. J., 2003. Excess Barite Accumulation during the Paleocene/Eocene Thermal Maximum: Massive Input of Dissolved Barium from Seafloor Gas Hydrate Reservoirs. In: Wing, S., Gingerich, P., Schmitz, B., and Thomas, E., eds., Causes and Consequences of Globally Warm Climates of the Paleogene, *GSA Special Paper*, 369: 13-27; doi: 10.1130/0-8137-2369-8.11
68. Maslin, M. A., and Thomas, E., 2003. Balancing the deglacial global carbon budget: the hydrate factor. *Quaternary Science Reviews*, 22: 1729-1736; doi: 10.1016/S0277-3791(03)00135-5
69. Barker, P. F., and Thomas, E., 2004. Origin, Signature and Palaeoclimatic Influence of the Antarctic Circumpolar Current. *Earth Science Reviews*, 66: 143-162; doi 10.1016/j.earscirev.2003.10.003
70. Alegret, L. and Thomas, E., 2004. Benthic foraminifera and environmental turnover across the Cretaceous/Paleogene boundary at Blake Nose (ODP Hole 1049C, Northwestern Atlantic). *Palaeogeography, Palaeoclimatology, Palaeoecology*, 208: 59-83; doi: 10.1016/j.palaeo.2004.02.028
71. Gupta, A. K., Singh, R. J., Sudheer., J., and Thomas, E., 2004. The Indian Ocean High Productivity Event (10-8 Ma): Linked to global cooling or to the Initiation of the Indian Monsoons? *Geology*, 32: 753-756; doi 10.1130/G20662.1
72. Zachos, J. C., Röhl, U., Schellenberg, S. A., Sluijs, A., Hodell, D. A., Kelly, D. C., Thomas, E., Nicolo, M., Raffi, I., Lourens, L., Kroon, D., McCarren, H., 2005. Extreme Acidification of the Atlantic Ocean at the Paleocene-Eocene Boundary (~ 55 Mya). *Science*, 308: 1611-1615; doi 10.1126/science.11090041
73. Lourens, L., Sluijs, A., Kroon, D., Zachos, J. C., Thomas, E., Röhl, U., Bowles, J., and Raffi, I., 2005. Astronomical modulation of late Palaeocene to early Eocene global warming events. *Nature*, 435: 1083-1087; doi: 10.1038/nature0381
74. Alegret, L., and Thomas, E., 2005. Paleoenvironments across the Cretaceous/ Tertiary boundary in the central North Pacific (DSDP Site 465), the Gulf of Mexico and the Tethys: the benthic foraminiferal record. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 224: 53-82, doi: 10.1016/j.palaeo.2005.03.031
75. Barker, P. F., and Thomas, E., 2006. Potential of the Scotia Sea Region for Determining the Onset and Development of the Antarctic Circumpolar Current. In: Fütterer, D.K.;

- Damaske, D.; Kleinschmidt, G.; Miller, H.; Tessensohn, F. (Eds.), "Antarctica: Contributions to Global Earth Science", Chapter 8.4, Springer-Verlag, p. 433-440.
76. Bowen, G. J., Bralower, T. J., Dickens, G. R., Delaney, M., Kelly, D. C., Koch, P. L., Kump, L. R., Meng, J., Sloan, L. C., Thomas, E., Wing, S. L., Zachos, J. C., 2006. Disciplinary and cross-disciplinary study of the Paleocene-Eocene Thermal Maximum gives new insight into greenhouse gas-induced environmental and biotic change. *EOS Transactions AGU*, v. 87 (17), p. 165, 169.
 77. Ortiz, S., and Thomas, E., 2006. Lower-middle Eocene benthic foraminifera from the Fortuna Section (Betic Cordillera, southeastern Spain), *Micropaleontology*, 52: 97-150
 78. Molina, E., Gonzalvo, C., Mancheño, M. A., Ortiz, S., Schmitz, B., Thomas, E., and von Salis, K., 2006. Integrated Stratigraphy and Chronostratigraphy across the Ypresian-Lutetian transition at Fortuna section (Betic Cordillera, Spain). *Newsletters in Stratigraphy*, 42: 23-41. DOI: 10.1127/0078-0421/2006/0042-0001
 79. Thomas, E., Brinkhuis, H., Huber, M., and Röhl, U., 2006. An ocean view of the early Cenozoic Greenhouse World. *Oceanography*, 19: 63-72; <https://doi.org/10.5670/oceanog.2006.08>
 80. Smart, C. W., and Thomas, E., 2006. The enigma of early Miocene biserial planktic foraminifera, *Geology*, 34: 1041-1044; doi: 10.1130/G23038A.1
 81. Smart, C. W., Thomas, E., and Ramsay, A. T. S., 2007. Middle-late Miocene benthic foraminifera in a western equatorial Indian Ocean depth transect: Paleoceanographic implications. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 247: 402-420; doi:10.1016/j.palaeo.2006.11.003
 82. Alegret, L., and Thomas, E., 2007. Deep-Sea environments across the Cretaceous/Paleogene boundary in the eastern South Atlantic Ocean (ODP Leg 208, Walvis Ridge). *Marine Micropaleontology*, 64: 1-17; doi: 10.1016/j.marmicro.2006.12.003
 83. Smart, C. W., and Thomas, E., 2007. Emendation of the genus *Streptochilus* Brönnimann and Resig, 1971 (Foraminifera) and new species from the lower Miocene of the Atlantic and Indian Oceans. *Micropaleontology*, 53: 73-104
 84. Hancock, H., Dickens, G. R., Thomas, E., and Blake, K. L., 2007. Reappraisal of early Paleogene CCD curves: foraminiferal assemblages and stable carbon isotopes across the carbonate facies of the Perth Abyssal Plain. *International Journal of Earth Sciences*, doi: 10.1007/s00531-006-0144-0
 85. Jorissen, F. J., Fontanier, C., and Thomas, E., 2007. Paleoceanographical proxies based on deep-sea benthic foraminiferal assemblage characteristics. In: *Proxies in Late Cenozoic Paleoceanography: Pt. 2: Biological tracers and biomarkers*, edited by C. Hillaire-Marcel and A. de Vernal, Elsevier, p. 263-326.
 86. Thomas, E., 2007. Cenozoic mass extinctions in the deep sea; what disturbs the largest habitat on Earth? S. Monechi, R. Coccioni, and M. Rampino, eds., "Large Ecosystem Perturbations: Causes and Consequences", *Geological Society of America Special Paper*, 424: 1-24.
 87. Sluijs, A., Bowen, G. J., Brinkhuis, H., Lourens, L. J., and Thomas, E., 2007. The Palaeocene-Eocene Thermal maximum super greenhouse: biotic and geochemical signatures, age models and mechanisms of climate change. 'Deep Time Perspectives on Climate Change: Marrying the Signal from Computer Models and Biological Proxies', eds. M. Williams, A. M. Haywood, F. J. Gregory, and D. N. Schmidt, *The*

Micropalaeontological Society, Special Publications, The Geological Society, London, 323-351

88. Paytan, A., Averyt, K., Faul, K., Gray, E., and Thomas, E., 2007. Barite accumulation, ocean productivity, and Sr/Ba in barite across the Paleocene-Eocene Thermal Maximum. *Geology*, 35: 1139-1142
89. Thomas, E., 2008. Research Focus: Descent into the Icehouse, *Geology*, 36: 191-192.
90. McCarren, H., Thomas, E., Hasegawa, T., Roehl, U., and Zachos, J. C., 2008. Depth-dependency of the Paleocene-Eocene Carbon Isotope Excursion: paired benthic and terrestrial biomarker records (ODP Leg 208, Walvis Ridge). *Geochemistry, Geophysics, Geosystems*, 9 (10): Q10008, doi: 10.1029/2008GC002116
91. Alegret, L., Cruz, L. E., Fenero, R., Molina, E., Ortiz, S., and Thomas, E., 2008. Effects of Oligocene climatic events on the foraminiferal record from Fuente Caldera section (Spain, western Tethys). *Palaeogeography, Palaeoclimatology, Palaeoecology*, 269: 94-102; doi: 10.1016/j.palaeo.2008.08.006
92. Griffith, E. M., Paytan, A., Caldeira, K., Bullen, T. D., and Thomas, E., 2008. A dynamic marine calcium cycle during the past 28 million years. *Science*, 322: 1671-1674; doi: 10.1126/science.1163614
93. Thomas, E., 2008. Paleooceanography: Overview. *Encyclopedia of Ocean Sciences*, J. H. Steele, S. A. Thorpe and K. K. Turekian, eds. (Elsevier), 2nd edition, 4213-4220, doi: 10.1016/B978-012374473-9.00696-2.
94. Huber, M., and Thomas, E., 2008. Paleooceanography: Greenhouse Climates. *Encyclopedia of Ocean Sciences*, J. H. Steele, S. A. Thorpe and K. K. Turekian, eds., 2nd edition, (Elsevier), p. 4229-4239; doi: 10.1016/B978-012374473-9.00701.3
95. Stap, L., Lourens, L., Sluijs, A., and Thomas, E., 2009. Patterns and magnitude of deep sea carbonate dissolution during Eocene Thermal Maximum 2 and H2, Walvis Ridge, southeastern Atlantic Ocean. *Paleoceanography*, 24, PA1211, doi:10.1029/2008PA001655.
96. Alegret, L., and Thomas, E., 2009. Cretaceous evolution of the genus *Adercotryma* (Foraminifera) in the deep Pacific. *Micropaleontology*, 55: 49-60
97. Darling, K. F., Thomas, E., Kasemann, S., Smart, C. W., Sears, H. A., and Wade, C. M., 2009. Surviving mass extinction by bridging the benthic/planktic divide. *Proceedings of the National Academy of Sciences*, 106: 12629-12633; doi: 10.1073/pnas.0902827106
98. Webb, A. E., Leighton, L. R., Schellenberg, S. A., Landau, E. A., and Thomas, E., 2009. Impact of Paleocene-Eocene global warming on microbenthic community structure: using rank-abundance curves to quantify ecological response. *Geology* 37: 783-786, doi:10.1130/G30074A.1
99. Alegret, L., and Thomas, E., 2009. Food supply to the seafloor in the Pacific Ocean after the Cretaceous/Paleogene boundary event. *Marine Micropaleontology*, 73: 105-116. doi: 10.1016/j.marmicro.2009.07.005
100. Hayward, B., Johnson, K., Sabaa, A. T., Kawagata, S., and Thomas, E., 2010. Cenozoic record of elongate, cylindrical deep-sea benthic Foraminifera in the North Atlantic and equatorial Pacific Oceans. *Marine Micropaleontology*, 74: 75-95; doi: 10.1016/j.marmicro.2010.01.001
101. Hayward, B. W., Sabaa, A. T., Thomas, E., Nomura, R., Kawagata, Nomura, R., S., Schröder-Adams, C., Gupta, A. K., Johnson, K., 2010. Cenozoic Record of Elongate,

- Cylindrical, Deep-Sea Benthic Foraminifera in the Indian Ocean (ODP Sites 722, 738, 744, 758 and 763). *Journal of Foraminiferal Research*, 40: 113-133
102. Stap, L., Lourens, L. J., Thomas, E., Sluijs, A., Bohaty S., and Zachos, J. C., 2010. High-resolution deep-sea carbon and oxygen isotope records of Eocene Thermal Maximum 2 and H2 and implications for the origin of early Paleogene hyperthermal events. *Geology*, 38: 607-610; doi: 10.1130/G30777.1
 103. Griffith E., Calhoun, M., Thomas, E., Averyt, K., Erhardt, A., Bralower, T., Lyle, M., Olivarez-Lyle, A., Paytan, A., 2010. Export Productivity and Carbonate Accumulation in the Pacific Basin at the Transition from Greenhouse to Icehouse Climate (Late Eocene to Early Oligocene). *Paleoceanography*, 25: PA3212; doi: 10.1029/2010PA001932
 104. Stap, L., Lourens, L., van Dijk, A., Schouten, S., and Thomas, E., 2010. Coherent pattern and timing of the carbon isotope excursion and warming during Eocene Thermal Maximum 2 as recorded in planktic and benthic foraminifera. *Geochemistry, Geophysics, Geosystems*, 11: Q11011, doi:10.1029/2010GC003097
 105. Bhaumik, A. K., Gupta, A. K., and Thomas, E., 2011. Blake Outer Ridge: late Neogene variability in paleoenvironments and deep-sea biota. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 302: 435-451; doi: 10.1016/j.palaeo.2011.02.004
 106. Griffith, E. M., Paytan, A., Eisenhauer, A., Bullen, T. D., and Thomas, E., 2011. Seawater calcium isotopic ratios across the Eocene-Oligocene Transition. *Geology*, 39: 683-686, doi: 10.1130/G31872.1.
 107. Brown, R. E., Anderson, L. D., Thomas, E., and Zachos, J. C., 2011. A core-top calibration of B/Ca in the benthic foraminifera *Nuttallides umbonifera* and *Oridorsalis umbonatus*: reconstructing bottom water carbonate saturation. *Earth and Planetary Science Letters*, 310: 360-368, doi: 10.106/j/epsl.2011.08.023
 108. Falkowski, P. G., Algeo, T., Codispoti, L., Deutsch, C., Emerson, S., Hales, B., Huey, R. B., Jenkyns, W. J., Kump, L. R., Levin, L. A., Lyons, T. W., Nelson, N. B., Schofield, O. S., Summons, R., Talley, L. D., Thomas, E., Whitney, F., Pichler, C. B., 2011, Ocean deoxygenation: past, present and future. *EOS Transactions AGU*, 92: 409-410; doi: 10.1029/2011EO460001
 109. Alegret, L., Thomas, E., and Lohmann, K. C, 2012. End-Cretaceous Marine Mass Extinction Not Caused by Productivity Collapse. *Proceedings of the National Academy of Sciences*, 109: 728-732; doi: 10.1073/pnas.1110601109
 110. Stassen, P., Thomas, E. and Speijer, R. P., 2012. Restructuring outer neritic foraminiferal assemblages in the aftermath of the Palaeocene-Eocene thermal maximum. *Journal of Micropalaeontology*, 31: 89-93, doi: 10.1144/0262-821X11-026
 111. Winguth, A., Thomas, E., and Winguth, C., 2012. Global decline in ocean ventilation, oxygenation and productivity during the Paleocene-Eocene Thermal Maximum - Implications for the benthic extinction. *Geology*, 40: 263-266; doi: 10.1130/G32529
 112. Hönisch, B., Ridgwell, A., Schmidt, D. N., Thomas, E., Gibbs, S. J., Sluijs, A., Zeebe, R., Kump, L., Martindale, R. C., Greene, S. E., Kiessling, W., Ries, J., Zachos, J. C., Royer, D. L., Barker, S., Marchitto, T. M., Moyer, R., Pelejero, C., Ziveri, P., Foster, G. L., and Williams, B., 2012. The Geological Record of Ocean Acidification. *Science*, 335: 1058-1963, doi: 10.1126/science.1208277

113. Stassen, P., Thomas, E., and Speijer, R. P., 2012. The progression of environmental changes during the onset of the Paleocene-Eocene Thermal Maximum (New Jersey Coastal Plain). *Austrian Journal of Earth Sciences*, 105:169-178.
114. Saltzman, M. and Thomas, E., 2012. Chapter 11: Carbon Isotope Stratigraphy. In: 'A Geologic Timescale 2012', eds. F. M. Gradstein, J. G. Ogg, M. Schmitz, and G. Ogg, Elsevier, pp. 221-246.
115. Hayward, B. W., Kawagata, S., Sabaa, A. T., Grenfell, H. R., van Kerckhoven, L., Johnson, K., and Thomas, E., 2012, The Last Global Extinction (Mid-Pleistocene) of Deep-Sea Benthic Foraminifera (Chrysalogoniidae, Ellipsoidinidae, Glandulonodosariidae, Plectofrondiculariidae, Pleurostomellidae, Stilostomellidae), their Late Cretaceous-Cenozoic History and Taxonomy. *Cushman Foundation for Foraminiferal Research, Spec. Vol. 43*: 408 pp.
116. Stassen, P., Thomas, E., and Speijer, R. P., 2012, Integrated stratigraphy of the Paleocene-Eocene Thermal Maximum in the New Jersey Coastal Plain: towards understanding the effects of global warming in a shelf environment. *Paleoceanography*, 27: PA4210, doi:10.1029/2012PA002323
117. Fenero, R., Thomas, E., Alegret, L., and Molina, E., 2012. Oligocene benthic foraminifera from the Fuente Caldera section (Spain, western Tethys): taxonomy and paleoenvironmental inferences. *Journal of Foraminiferal Research*, 42: 286-304, doi: 10.2113/gsjfr.42.4.286
118. Boscolo-Galazzo, F., Giusberti, L., Luciani, V. and Thomas, E., 2013. Paleoenvironmental changes during the Middle Eocene Climatic Optimum (MECO) and its aftermath: the benthic foraminiferal record from the Alano section (NE Italy). *Palaeogeography, Palaeoclimatology, Palaeoecology*, 378: 22-35. <http://dx.doi.org/10.1016/j.palaeo.2013.03.018>
119. Foster, L. C., Schmidt, D. N., Thomas, E., Arndt, S., and Ridgwell, A., 2013. Surviving rapid climate change in the deep-sea during the Paleogene hyperthermals. *Proceedings of the National Academy of Sciences*, 110: 9273-9276, doi: 10.1073/pnas.1300579110
120. Alegret, L. and Thomas, E., 2013. Benthic foraminifera across the Cretaceous/Paleogene boundary in the Southern Ocean (ODP Site 690): diversity, food and carbonate saturation. *Marine Micropaleontology*, 105: 40-51; doi: 10.1016/j.marmicro.2013.10.003
121. Lopez, G., Carey, D., Carlton, J.T., Cerrato, R., Dam, H., DiGiovanni, R., Elphick, C., Frisk, M., Gobler, C., Hice, L., Howell, P., Jordaan, A., Lin, S., Liu, S., Lonsdale, D., McEnroe, M., McKown, K., McManus, G., Orson, R., Peterson, B., Pickerell, C., Rozsa, R., Shumway, S., Siuda, A., Streich, K., Talmage, S., Taylor, G., Thomas, E., Van Patten, M., Vaudrey, J., Yarish, C., Wikfors, G., and Zajac, R., 2014. Chapter 6: Biology and Ecology of Long Island Sound. In: *Long Island Sound, Prospects for the Urban Sea*, Springer Series on Environmental Management, 285-479; doi: 10.1007/978-1-4614-6126-5_6
122. Ma, Z., Gray, E., Thomas, E., Murphy, B., Zachos, J. C., and Paytan, A., 2014. Carbon sequestration during the Paleocene-Eocene Thermal maximum by an efficient biological pump. *Nature Geoscience* 7: 382-388; doi: 10.1038/NCEO2139
123. Penman, D. E., Hoenisch, B., Zeebe, R. E., Thomas, E., Zachos, J. C., 2014. Rapid and sustained surface ocean acidification during the Paleocene-Eocene Thermal maximum. *Paleoceanography*, 29: 357-369; doi: 10.1002/2014PA002621.

124. Cronin, T. M., Farmer, J., Marzen, R. E., Thomas, E., and Varekamp, J. C., 2014, Late Holocene sea level variability and Atlantic meridional overturning circulation. *Paleoceanography*, 29: 765-777 doi: 10.1002/2014PA002632
125. Zhou, X., Thomas, E., Rickaby, R. E. M., Winguth, A. M. E., and Lu, Z., 2014, I/Ca evidence for global upper ocean deoxygenation during the Paleocene-Eocene Thermal Maximum (PETM). *Paleoceanography* 29: 964-975; doi: 10.1002/2014PA002702
126. Boscolo-Galazzo, F., Thomas, E., Pagani, M., Warren, C., Luciani, V., and Giusberti, L., 2014. The Middle Eocene Climatic Optimum (MECO): a multi-proxy record of paleoceanographic changes in the South-east Atlantic (ODP Site 1263, Walvis Ridge). *Paleoceanography*, 29: 1143-1161; doi: 10.1002/2014PA002670
127. Ortiz, S., and Thomas, E., 2015. Deep-sea benthic foraminiferal turnover during the early middle Eocene transition at Walvis Ridge (SE Atlantic). *Palaeogeography, Palaeoclimatology, Palaeoecology*, 417: 126-136; doi: 10.1016/j.palaeo.2014.10.023
128. Boscolo-Galazzo, F., Thomas, E., Giusberti, L., 2015. Benthic foraminiferal response to the Middle Eocene Climatic Optimum (MECO) in the Southeastern Atlantic (ODP Site 1263). *Palaeogeography, Palaeoclimatology, Palaeoecology*, 417: 432-444; doi: 10.1016/j.palaeo.2014.10.004
129. Stassen, P., Thomas, E., and Speijer, R., 2015. Paleocene-Eocene Thermal Maximum environmental change in the New Jersey Coastal Plain: benthic foraminiferal biotic events. *Marine Micropaleontology*, 115: 1-23; doi:10.1016/j.marmicro.2014.12.001
130. Pearson, P. N., and Thomas, E., 2015. Drilling disturbance and constraints on the onset of the Palaeocene/Eocene boundary carbon isotope excursion in New Jersey. *Climate of the Past*, 11, 95-104, doi: 10.5194/cp-11-95-2015
131. Jennions, S. M., Thomas, E., Schmidt, D. N., Lunt, D., and Ridgwell, A., 2015, Changes in benthic ecosystems and ocean circulation in the Southeast Atlantic across Eocene Thermal Maximum 2. *Paleoceanography*, 30 1059-1077; doi: 10.1002/2015PA002821
132. Bordiga, M., Henderiks, J., Tori, F., S. Monechi, S., Fenero, R., Legarda-Lisarri, A., and Thomas, E., 2015, Microfossil evidence for trophic changes during the Eocene-Oligocene transition in the South Atlantic (ODP Site 1263, Walvis Ridge), *Climate of the Past* 11, 1249-1270; doi:10.5194/cp-11-1249-2015
133. Lear, C. H., Coxall, H. K., Foster, G. L., Lunt, D. J., Mawbey, E. M., Rosenthal, Y., Sosdian, S. M., Thomas, E., and Wilson, P. A., 2015. Mg/Ca thermometry suggests greater than modern ice volume in the Miocene. *Paleoceanography*, 30: 1437-1454. doi: 10.1002/2015PA002833
134. Post, J. E., Thomas, E., and Heaney, P. J., 2016, Jianshuiite in Oceanic Manganese Nodules. *American Mineralogist*, 101: 407-414. doi: 10.2138/am-2016-5347
135. Giusberti, L., Boscolo-Galazzo, F., and Thomas, E., 2016. Variability in climate and productivity during the Paleocene-Eocene Thermal Maximum in the western Tethys (Forada section). *Climate of the Past*, 12: 213-240; doi: 10.5194/cp-12-213-2016
136. Boscolo-Galazzo, F., Thomas, E., Luciana, V., Giusberti, L., Frontalini, F., and Coccioni, R., 2016, The planktic foraminifer *Planorotalites* in the Tethyan middle

- Eocene, *Journal of Micropaleontology*, 35: 79-89; doi: 10.1144/jmpaleo2014-030
137. Arreguin-Rodriguez, G. J., Alegret, L., and Thomas, E., 2016. Late Paleocene - middle Eocene benthic foraminifera on a Pacific Seamount (Allison Guyot, ODP Site 865): Greenhouse Climate and superimposed hyperthermal events. *Paleoceanography*, 31: 346-364; doi: 10.1002/2015PA002837
138. Lu, Z., Hoogakker, B., Hillenbrand, C.-D., Zhou, X., Thomas, E., Gutchess, K. M., Lu, W., Jones, L., and Rickaby, R. E. M., 2016. Oxygen depletion recorded in upper waters of the glacial Southern Ocean. *Nature Communications* 7, 11146; doi: 10.1038/ncomms11146
139. Janssen, A. W., Sessa, J. A., and Thomas E., 2016. Pteropoda (Mollusca, Gastropoda, Thecosomata) from the Paleocene-Eocene Thermal Maximum of the United States Atlantic Coastal Plain, *Palaeontologia Electronica*, Article 19 (3), 1-26 <http://palaeo-electronica.org/content/2016/1662-pteropoda-from-the-usa-petm>
140. Zhou, X., Thomas, E., Winguth, A. M. E., Ridgwell, A., Scher, H., Hoogakker, B. A. A., Rickaby, R. E. M., and Lu, Z., 2016. Expanded oxygen minimum zones during the late Paleocene – early Eocene: hints from multi-proxy comparison and ocean modeling. *Paleoceanography*, 31: 1532-1546; doi:10.1002/2016PA003020
141. Lefkowitz, J. L., Varekamp, J. C., Reynolds, J. C., and Thomas, E., 2016. A Tale of two Lakes: the Newberry Volcano Twin Crater Lakes. *Geochemistry and Geophysics of Active Volcanic Lakes, Geological Society of London, Special Volume 437*, 253-288; eds. T. Ohba, B. Capaccioni, and C. Caudron, doi:10.1144/SP437.15
142. Moura de Mello, R., Leckie, R. M., Fraass, A. J., and Thomas, E., 2017. Upper Maastrichtian – Eocene benthic foraminiferal biofacies of the Brazilian margin, western South Atlantic. In: Kaminski, M.A. & Alegret, L., (eds), 2016. *Proceedings of the 9th International Workshop on Agglutinated Foraminifera*. Grzybowski Foundation Special Publication, 22: 119-161. <http://www.gf.tmsoc.org/Documents/iwaf9/Mello-et-al-2017.pdf>
143. Wit, J. C., de Nooijer, L. J., Haig, J., Jorissen, F. J., Thomas, E., and Reichart, G.-J., 2017. Towards reconstructing ancient seawater Mg/Ca by combining porcelaneous and hyaline foraminiferal Mg/Ca-temperature calibrations. *Geochimica Cosmochimica Acta*, 211: 341-354; doi: 10.1016/j.gca.2017.05.036
144. Bachan, A., Lau, K. V., Saltzman, M. R., Thomas, E., Kump, L. R., and Payne, J. L., 2017. A model for the decrease in amplitude of carbon isotope excursions throughout the Phanerozoic, *American Journal of Science*: 317 (6): 641-676, doi: 10.2475/06.2017.01
145. McNeill, L. C., Dugan, B., Backman, J., Pickering, K. T., Pouderoux, H. F. A., Henstock, T. J., Petronotis, K. E., Carter, A., Chemale, F., Milliken, K. L., Kutterolf, S., Mukoyoshi, H., Chen, W., Kachovich, S., Mitchison, F. L., Bourlange, S., Colson, T. A., Frederik, M. C. G., Guerin, G., Hamahashi, M., House, B. H., Huepers, A., Jeppson, T. N., Kenigsberg, A. R., Kuranaga, M., Nair, N., Owari, S., Shan, Y., Song, I., Torres, M. E., Vannuchi, P., Vrolijk, P., Yang, T., Zhao, X., and Thomas, E., 2017. Understanding Himalayan Erosion and the Significance of the Nicobar Fan. *Earth and Planetary Science Letters*, 475: 134-142; doi: 10.106/j.epsl.2017.07.019
146. Gutjahr, M., Ridgwell, A., Sexton, P. F., Anagnostou, E., Pearson, P. N., Paelike, H., Norris, R. D., Thomas, E., and Foster, G. L., 2017. Very large release of mostly

volcanic carbon during the Paleocene-Eocene Thermal Maximum. *Nature*, 548: 573-577; doi:10.1038/nature23646

147. Arreguin-Rodriguez, G. J., Thomas, E., d'Haenens, S., Speijer, R. P., and Alegret, L., 2018, Early Eocene deep-sea benthic foraminiferal faunas: Recovery from the Paleocene Eocene Thermal Maximum extinction in a greenhouse world. *PLoS ONE* 13(2): e0193167. <https://doi.org/10.1371/journal.pone.0193167>
148. Super, J., Thomas, E., Pagani, M., O'Brien, C., Hull, P. M., 2018. North Atlantic temperature and pCO₂ coupling in the early-middle Miocene. *Geology*, 46: 519-522. <https://doi.org/10.1130/G40228.1>
149. Smart, C. W., and Thomas, E., 2018. Taxonomy, biostratigraphy and phylogeny of Oligocene *Streptochilus*, Wade, B. et al., eds., Atlas of Oligocene Planktonic Foraminifera, *Cushman Foundation Spec. Publ.*, 46: 495-510.
150. Lu, W., Ridgwell, A., Thomas, E., Hardisty, D., Luo, G., Algeo, T., Saltzman, M., Gill, B. C., Shen Y., Ling, H.-F., Edwards, C. T., Whalen, M. T., Zhou, X., Gutchess, K., Jin, L., Rickaby, R., Jenkyns, H. C., Lyons, T. W., Lenton, T. M., Kump, L. R., and Lu, Z., 2018. Late inception of a resiliently oxygenated upper ocean. *Science*, doi: 10.1126/science.aar5372
151. Thomas, E., Boscolo-Galazzo, F., Balestra, B., Monechi, S., Donner, B., and Röhl, U., 2018, Early Eocene Thermal Maximum 3: biotic response at Walvis Ridge (SE Atlantic Ocean), *Paleoceanography and Paleoclimatology*, 33: 862-883. doi: 10.1029/2018PA003375
152. Schmidt, D. N., Thomas, E., Authier, E., Saunders, D., and Ridgwell, A., 2018, Strategies in times of crisis – insights into the benthic foraminiferal record of the PETM, *Philosophical Transactions of the Royal Society, A* 376 (2130): 20170328. doi: 10.1098/rsta.2017.0328
153. Hayek, L.-A., Buzas, M., and Thomas, E., 2018. Identifying disruptions to the ecological balance of nature: a benthic foraminiferal example across the initiation of the Paleocene-Eocene Thermal Maximum. *Paleobiology*, DOI: 10.1017/pab.2018.45

SUBMITTED:

1. Takata, H., Kim, H. K., Asahi, H., Thomas, E., Yoo, C. M., Chi, S. B., and Khim, B.K., Central equatorial Pacific benthic foraminifera during the mid Brunhes dissolution interval: correlation of ballasting of particulate organic matter by biogenic silica. Resubmitted after revision, *Quaternary Science Reviews*.
2. Sepulveda, J., Alegret, L., Haddad, E., Cao, C., Thomas, E., and Summons, R., Stable isotope constraints on marine productivity across the Cretaceous-Paleogene mass extinction. In revision, *Paleoceanography and Paleoclimatology*, CBEP Special Volume
3. Smart, C.W., Thomas, E., and Bracher, C. M., Holocene variations in seasonality or productivity in the North Atlantic as reflected in bathyal benthic foraminifera. In revision, *Marine Micropaleontology*.
4. Shaw, J. O., d'Haenens, S., Thomas, E., Norris, R. D., Lyman, J. A., Bornemann, A., and Hull, P. M., Photosymbiosis in planktonic foraminifera across the Palaeocene Eocene Thermal Maximum. In revision, *Proc. Roy. Soc. B*.

NON-REFEREED PUBLICATIONS:

1. Kyle, P. R., Palais, J., and Thomas, E., 1984. Vostok tephra: an important englacial marker? *Antarctic Journal of the United States*, 19: 64-65
2. Thomas, E., 1987. Review of "The Miocene Ocean: Paleoceanography and Biogeography", J. P. Kennett, editor, Geological Society of America, Memoir 163. *Sedimentology* 34: 1181-1183
3. Barker, P. F., Kennett, J. P., and Scientific Party, 1988. Weddell Sea Palaeoceanography: preliminary results of ODP Leg 113. *Palaeogeography, Palaeoclimatology, Palaeoecology*, v. 67, p. 75-102.
4. Thomas, E., Shackleton, N. J., and Hall, M. A., 1992. DATA REPORT: Carbon isotope stratigraphy of Paleogene bulk sediments, Hole 762C (Exmouth Plateau, Eastern Indian Ocean). *Proceedings ODP, Scientific Results*, 122: 897-901
5. Elderfield, H., and Thomas, E., 1995. The BOFS Paleoceanography Programme: introduction and relationship of core sites to topography and oceanography. *Paleoceanography*, 10: 509-511
6. Bralower, T. J., Parrow, M., Thomas, E., and Zachos, J. C., 1995. DATA REPORT: Stable isotope stratigraphy of the Paleogene pelagic cap at Site 865, Allison Guyot. *Proceedings ODP, Scientific Results*, 143: 581-586
7. Varekamp, J. C. and Thomas, E., 1997, Relative Sea Level Rise Trends in Long Island Sound Over the Last 1500 Years. *Third LIS Research Conference Proc.*, p.21-27.
8. Thomas, E., 1997. Review of "Late Quaternary Palaeoceanography of the North Atlantic Margin", edited by J. T. Andrews, W. E. N. Austin, H. Bergsten, and A. E. Jennings, editors, Geological Society London Special Publication No. 111 (1996). *Marine Micropaleontology*, 30: 335-336
9. Thomas, E., 1998, Review of "Deep-sea benthic foraminifera from Cretaceous - Paleogene boundary strata in the South Atlantic - taxonomy and paleoecology", J. Widmark, *Fossils and Strata*, Volume 43 (1996). *Palaeogeography, Palaeoclimatology, Palaeoecology*, 142: 87.
10. Bralower, T. J., Thomas, D. J., Thomas, E., and Zachos, J. C., 1998. High-resolution records of the late Paleocene thermal maximum and circum-Caribbean volcanism: is there as causal link? *REPLY. Geology*, 26: 671.
11. Varekamp, J. C., Thomas, E., and Thompson, W. G., 1999. Sea-level climate correlation during the past 1400 yr. *COMMENT. Geology*, 27: 189.
12. Thomas, E., 2000. An introduction to 'Biotic Responses to Major Paleoceanographic Changes'; in: F. Abrantes and A. Mix, eds., *Reconstructing Ocean History: a Window into the Future*, Plenum Press, 163-171.
13. Thomas, E., and Zachos, J. C., 2000. Was the late Paleocene thermal maximum a unique event? *GFF*, 122: 169-170.
14. Gibson, T. G., Bybell, L. M., Thomas, E., and Zachos, J., 2000, Kaolinite Distribution in Paleocene/Eocene boundary strata of the Northeastern U.S. and Pakistan - Climatic and Stratigraphic Implications. *GFF*, 122, 56.
15. Thompson, W. G., Thomas, E., and Varekamp, J. C., 2000, 1500 Years of Sea Level Rise in Long Island Sound, *Fourth Biennial LIS Research Conference Proc.*, 139-148.
16. Thomas, E., Gapotchenko, T., Varekamp, J. C., Buchholtz ten Brink, M. R., and Mccray, E., 2000, Foraminifera in Long Island Sound surface sediments in 1999: evidence for recent environmental change, CD USGS, open file report 00-304.

17. Thomas, E., 2002. Small Organisms on the Sea Floor: Understanding Pathways of Carbon in the Oceans. In White, K. and Urquhart, E. (Eds.), ODP's Greatest Hits, Volume 2, 1pp. <http://www.joiscience.org/greatesthits2/pdfs/Thomas.pdf>
18. Thomas, E., 2003. Paleogene time scale miscalibration: Evidence from the dating of the North Atlantic igneous province. *COMMENT, Geology*, 31: 470.
19. Shipboard Scientific Party ODP Leg 208, 2003. Leg 208 Preliminary Report. Early Cenozoic Extreme Climates: The Walvis Ridge Transect, 6 March–6 May 2003. Ocean Drilling Program, Texas A&M University, College Station TX 77845-9547, August 2003, http://www-odp.tamu.edu/publications/prelim/208_prel/208toc.html
20. Thomas, E., Abramson, I., Varekamp, J. C., and Buchholtz ten Brink, M. R., 2004. Eutrophication of Long Island Sound as traced by Benthic Foraminifera. Sixth Biennial LIS Research Conference Proc.: 87-91
21. Lugolobi, F., Varekamp, J. C., Thomas, E., and Buchholtz ten Brink, M. R., 2004. The use of stable carbon isotopes in foraminiferal calcite to trace changes in biological oxygen demand in Long Island Sound. Sixth Biennial LIS Research Conference Proc.: 47-51
22. Varekamp, J. C., Thomas, E., Lugolobi, F., and Buchholtz ten Brink, M. R., 2004. The paleo-environmental history of Long Island Sound as traced by organic carbon, biogenic silica and stable isotope/trace element studies in sediment cores. Sixth Biennial LIS Research Conference Proc.: 109-113
23. Shipboard Scientific Party ODP Leg 208, 2004. Leg 208: Early Cenozoic Extreme Climates: The Walvis Ridge Transect, 6 March–6 May 2003. Proc. ODP, Init. Repts., 208 [Online]. Available from World Wide Web: http://www-odp.tamu.edu/publications/208_IR/208ir.htm, Texas A&M University, College Station TX 77845-9547,
24. Shipboard Scientific Party ODP Leg 208, 2004. Leg 208: Early Cenozoic Extreme Climates: The Walvis Ridge Transect, 6 March–6 May 2003. *JOIDES Journal*, 24 (1).
25. Thomas, E., 2005. In: *Autobiographical sketches of women in oceanography*, Oceanography, 18, p. 225.
26. Varekamp, J. C., Thomas, E., and Groner, M., 2005. The late Pleistocene – Holocene History of Long island Sound, Seventh Biennial LIS Research Conference Proceedings, 2004, p. 27-32
27. Thomas, E., 2006. A triumph for dynamic positioning. *Oceanography (Special Volume on Ocean Drilling)*, 19: 113
28. Thomas, E., 2007. Interactive comments on 'Methane hydrate stability and anthropogenic climate change' by D. Archer. *Biogeosciences Discussions*, v. 4: S545-S554. <http://www.cosis.net/copernicus/EGU/bgd/4/S545/bgd-4-S545.pdf>
29. Kroon, D., Zachos, J. C., and Leg 208 Scientific Party, 2007. Leg 208 Synthesis: Cenozoic Climate Cycles and Excursions. In Kroon, D., Zachos, J.C., and Richter, C. (Eds.), Proc. ODP, Sci. Results, 208: College Station, TX (Ocean Drilling Program), 1–55. [doi:10.2973/odp.proc.sr.208.201.2007](https://doi.org/10.2973/odp.proc.sr.208.201.2007)
30. Varekamp, J. C., Altabet, M. Thomas, E., Ten Brink, M., Andersen, N., and Mccray, E., 2009. Carbon cycling in LIS: nutrient fluxes and landscape development over the last 1000 years. Ninth Biennial LIS Research Conference Proceedings, 2008, p. 2-13.
31. Varekamp, J. C., and Thomas, E., 2009. Block Island, RI: a microcosm for the study of anthropogenic and natural environmental change. Proceedings 22th annual Keck Symposium, p. 274-280.

32. Alegret, L. and Thomas, E., 2009. The Pacific Ocean: no Strangelove Ocean after the Cretaceous/Paleogene Impact. In: Crouch, E.M., Strong, C.P., Hollis, C.J., (editors) 2009. Climatic and Biotic Events of the Paleogene (CBEP 2009), extended abstracts from an international conference in Wellington, New Zealand, 12-15 January 2009. GNS Science Miscellaneous Series 18, p. 14-17.
33. Stassen, P., Thomas, E., and Speijer, R. P., 2009. Benthic Foraminiferal Isotope Records across The PETM from the New Jersey Coastal Plain. In: Crouch, E.M., Strong, C.P., Hollis, C.J., (editors) 2009. Climatic and Biotic Events of the Paleogene (CBEP 2009), extended abstracts from an international conference in Wellington, New Zealand, 12-15 January 2009. GNS Science Miscellaneous Series 18, p. 134-136.
34. Thomas, E., Ridgwell, A., Alegret, L., and Schmidt, D. N., 2009. The Cretaceous/Paleogene (K/Pg) carbon cycle. In: Crouch, E.M., Strong, C.P., Hollis, C.J., (editors) 2009. Climatic and Biotic Events of the Paleogene (CBEP 2009), extended abstracts from an international conference in Wellington, New Zealand, 12-15 January 2009. GNS Science Miscellaneous Series 18,
35. Fenero, R., Thomas, E., Alegret, L., and Molina, E., 2011. Evolucion paleoambiental del transito Eocene-Oligoceno en el sur Atlantico (Sondeo 1263) basada en foraminiferos bentonicos. *Geogaceta* 49: 3-6.
36. Wilson, M., Haynes, P., Kendall, M., Kleman, J., Rhein, M., Roure, F., Thomas, E., Todini, E., 2011. Research in Earth Sciences in Norway: an Evaluation. The Research Council of Norway, 146 pp.
http://www.forskingsradet.no/en/Article/Evaluation_of_Earth_Sciences/1253973430913
37. Gattuso, J.-P., and Thomas, E., 2012. Ocean acidification: how will ongoing acidification affect marine life? *PRESENT-PAST, PAGES News*, 20: 36-37
38. Thomas, E., 2014. Book Review: Bender, M. L., 2013. *Book Review: Paleoclimate*; Princeton University Press. *Priscum*, 21: 25-26.
39. Zeebe, R., Dickens, G. R., Ridgwell, A., Sluijs, A., and Thomas, E., 2014. Onset of carbon isotope excursion at the Paleocene-Eocene Thermal Maximum took millennia, not 13 years. *Proc. Natl. Acad. Sci. USA*, E1062-E1063, 111.
<http://www.pnas.org/content/111/12/E1062>
40. Stassen, P., Speijer, R. P., and Thomas, E., 2014. The unsettled puzzle of the Marlboro clays. *Proc. Natl. Acad. Sci. USA*, 111, E1066-E1067.
<http://www.pnas.org/content/111/12/E1066.full>
41. Varekamp, J. C., and Thomas, E., 2015. The Jarvis Creek coastal marshes, Branford, CT: sealevel rise, marsh recovery after closure, and metal pollution records. 107th meeting of the New England Intercollegiate Geological Conference, Guidebook for Field trips, B6, 215-228.
42. Hanson, B., Lunn, J., van der Pluijm, B., Orcutt, J., Colwell, R. R., Trumbore, S., Becker, T. W., Diffenbaugh, N., Pincus, R., Liemohn, M., ten Brink, U., Brewer, P., Zhang, M., Hauck, S. A., II, Hubbard, B., Goni, M., Thomas, E., Wilkinson, P., Moldwin, M., Knipp, D. J., Geissman, J., and Clark, M., 2017. Earth and space science for the benefit of humanity, *Eos*, 98, <https://doi.org/10.1029/2018E0071991>.

ABSTRACTS

1. Thomas E., 1980. What happened to uniserial *Uvigerina* in the Cretan Mio-Pliocene? A biometrical approach. *GSA Programs Abstracts* 12-7: 535
2. Thomas, E., Varekamp, J. C., and Buseck, P. R., 1980. Zinc enrichment in the early 1980 phreatic ashes of Mt. St. Helens, Washington. *EOS Trans. AGU* 61: 1139
3. Thomas, E., and Van der Zwaan, G. J., 1981. Environmental development of the Mediterranean in the late Miocene. *GSA Programs Abstracts* 13-7: 566
4. Thomas, E., and Varekamp, J. C., 1982. Volcanic particles from basaltic and calcalkaline volcanoes. *GSA Programs Abstracts* 14-7: 630
5. Thomas, E., and Varekamp, J. C., 1982. Microparticles in Cretaceous/Tertiary boundary sediments: extraterrestrial? *EOS Trans. AGU* 63: 985
6. Thomas, E., and Buseck, P. R., 1983. Ambient particulate matter in eastern Arizona. Proceedings. *Annual Meeting APCA, Atlanta*, 83-176
7. Thomas, E., and Vincent, E., 1983. Early Miocene oceanographic events in the equatorial Pacific Ocean. *GSA Programs Abstracts* 15-7: 705
8. Thomas, E., 1984. Deep-sea benthic foraminiferal faunas in the early to middle Miocene. *First SEPM Annual Midyear Meeting, San Jose*, Abstract Volume: 81-82
9. Thomas, E., 1984. Benthic foraminifera in the early-middle Miocene, North Atlantic. *North Atlantic Palaeoceanography Meeting, Geol. Soc. London*, November 1984
10. Thomas, E., 1985. Miocene palaeoceanographic events: results from hydraulic piston cores from DSDP sites. *Geol. Assoc. Canada, Annual Meeting*, Progr. Abstr. 10: A62
11. Thomas, E., 1985. Development of deep-sea benthic foraminiferal faunas in the northeastern North Atlantic, late Oligocene - Recent. *GSA Programs Abstracts* 17-7: 734
12. Miller, K. G., Fairbanks, R. G., and Thomas, E., 1985. Development of abyssal circulation in the eastern North Atlantic: benthic foraminiferal and carbon isotopic evidence. *GSA Programs Abstracts* 17-7: 666
13. Thomas, E., 1985. Variability in the oceans in the early to middle Miocene: a high-resolution study. *EOS Trans. AGU* 66: 933
14. Thomas, E., and Varekamp, J. C., 1986. Element transport in volcanic plumes and fumaroles. *Norman D. Watkins Symposium, Environmental Impact of Volcanoes*, University of Rhode Island, March 1986, Abstract Volume 96-98
15. Thomas, E., and Vincent, E., 1986. Pacific deep-sea environments in the early to middle Miocene. *Second International Paleooceanography Meeting*, Woods Hole, MA
16. Thomas, E., 1986. Deep-sea benthic foraminifera in the Pacific lower to middle Miocene. *Second International Paleooceanography Meeting*, Woods Hole, MA
17. Thomas, E., and Vincent, E., 1986. Early to middle Miocene deep-sea benthic foraminifera in the Pacific Ocean. *BENTHOS '86*, Geneve, Programs and Abstracts, 56-57
18. Thomas, E., 1986. Timing of Miocene faunal changes of benthic foraminifera, Pacific and Atlantic. *GSA Programs Abstracts* 18-7: 771
19. Palais, J. M., Kyle, P. R., Mosley-Thomson, E., and Thomas, E., 1987. Tephra layers in Antarctic ice: evidence for a major eruption in the South Sandwich Islands, 3000 a BP. *Fourth International Symposium Antarctic Glaciology*, Bremerhaven

20. Thomas, E., Barker, P. F., Kennett, J. P., and ODP Leg 113 shipboard party, 1987. Late Cretaceous through Neogene deep-sea benthic foraminifera from the Weddell Sea. *GSA Programs Abstracts* 19-6: 867
21. Thomas, E., Barker, P. F., Kennett, J. P., and ODP Leg 113 shipboard party, 1988. Cenozoic Antarctic benthic foraminifera. *Meeting on Origins and Evolution of Antarctic Biota*, 24-25 May 1988, Abstracts Volume: 39
22. Thomas, E., 1988. Mass extinctions in the deep ocean. *Global Catastrophes in Earth History: Conference on Impacts, Volcanism and Mass Mortality*. Snowbird, Utah; Abstracts Volume: 192-193
23. Thomas, E., 1988. The Paleogene deep-sea environment at high latitudes. *GSA Programs Abstracts* 20-7: A252
24. Monts, L., Healy-Williams, N., Williams, D., and Thomas, E., 1988. Late Miocene through Quaternary morphological changes in the long-ranging benthic foraminiferal species *Globocassidulina subglobosa*. *GSA Programs Abstracts* 20-7: A222
25. Thomas, E., Varekamp, J. C., and van de Plassche, O., 1989. Late Holocene fluctuations in sea level rise (Clinton, CT): marsh foraminiferal and geochemical evidence. *GSA Northeastern Section Meeting, Programs and Abstracts*: 70
26. Thomas, E., 1989. Late Cretaceous through Miocene high-latitude deep-sea environments. "Theme Session on Antarctic Drilling", *28th International Geological Congress*, Washington DC, July 1989; *28th IGC Abstracts Volume*, 3-234, 3-235 (Invited)
27. Thomas, E., 1989. Late Cretaceous deep-sea environments at high southern latitudes. *Fifth Biennial Meeting of the European Union of Geosciences*, TERRA Abstracts 1-1: 249 (SY30a-17)
28. Thomas, E., 1989. Cenozoic development of deep waters at Maud Rise, Antarctica. *Third International Conference on Palaeo-oceanography*, TERRA Abstracts 1-2: 2 (A7)
29. Thomas, E., 1989. The Paleocene-Eocene deep-sea benthic foraminiferal record at Maud Rise, Antarctica: deep-water circulation at high latitudes. *Third International Conference on Palaeo-oceanography*, TERRA Abstracts 1-2: 48 (L12) (Invited)
30. Monts, L., Healy-Williams, N., Williams, D. F., and Thomas, E., 1989. Morphological changes in long-ranging benthic foraminiferal taxa: *Globocassidulina subglobosa*. *Third International Conference on Palaeoceanography*, TERRA Abstracts 1-2: 59 (N11)
31. Thomas, E., 1989. Late Eocene-Oligocene faunal changes in deep-sea benthic foraminifera, Maud Rise, Antarctica. *GSA Programs Abstracts* 21-6: A88
32. Thomas, E., 1989. Long-term records of lower bathyal benthic foraminifera at high southern latitudes (Weddell Sea, Antarctica). *GSA Programs Abstracts* 21-6: A126
33. Thomas, E., 1990. Deep-water circulation in the Paleogene: benthic foraminiferal faunas from high southern latitudes (Maud Rise, Antarctica). *Program and Abstracts, Fourth International Symposium on Benthic Foraminifera*, 28 Sept. - 2 Oct., Sendai, Japan
34. Varekamp, J. C., and Thomas, E., 1991. Correlations between climate and sea level rise on a centennial time scale. *Sixth Biennial Meeting of the European Union of Geosciences*, March 1991.
35. Hardigg, N., Varekamp, J. C., and Thomas, E., 1991. Precipitation Chemistry in Connecticut. *EOS, Trans. AGU* 72: 70

36. Thomas, E., and Shackleton, N. J., 1991. Deep-sea circulation through the Cenozoic. "Britain in the Ocean Drilling Program", 2 May 1991, Royal Society, London, UK., p. 5-6 (Invited)
37. Thomas, E., 1991. Deep-sea benthic foraminifera: indicators of circulation change. Abstracts, International Conference on the Role of the Southern Ocean and Antarctica in *Global Change: an Ocean Drilling Perspective*. August 28-31, 1991, Santa Barbara, CA. (Invited)
38. Thomas, E., 1991. The latest Paleocene mass-extinction of deep-sea benthic foraminifera: result of global climate change. *GSA Programs and Abstracts*, 23-5, A141
39. Thomas, E., 1992. North Atlantic deep-water circulation during the last deglaciation: benthic foraminiferal evidence. Geological Society London: *Marine Studies Group of Pelagic Fluxes and Sedimentation, British Ocean Flux Studies (BOFS)*; 6 February (Invited)
40. Thomas, E., and Varekamp, J. C., 1992. Did volcanic CO₂ emissions cause the rapid global climate change at the end of the Paleocene? *AGU Chapman Conference on Climate, Volcanism and Global Change*, March '92, Hawaii: 17
41. Thomas, E., and Varekamp, J. C., 1992. Jokulhlaup-induced changes in ocean circulation and climate: a possible link between volcanism and climate? *AGU Chapman Conference on Climate, Volcanism and Global Change*, March '92, Hawaii, 18-19
42. Scholander, S. J., Varekamp, J. C., and Thomas, E., 1992. Paleo-environments in salt marsh sequences: Geochemical and foraminiferal studies. *EOS, Trans. AGU* 73: 154.
43. Thomas, E., and Shackleton, N. J., 1992. The Paleocene benthic foraminiferal extinction. *ICP IV, September 1992, Kiel, Germany*, GEOMAR Report 15: 279-280
44. Thomas, E., Booth, L., Maslin, M., and Shackleton, N. J., 1992. Northeastern Atlantic benthic foraminifera during the last 30,000 years. *ICP IV, September 1992, Kiel, Germany*, GEOMAR Report 15: 180
45. Varekamp, J. C., and Thomas, E., 1992. Sediment chemistry and benthic foraminifera in salt-marsh sequences as indicators of relative sea-level rise. *ICP IV, September 1992, Kiel, Germany*. GEOMAR Report 15: 286-287
46. Scholander, S.J., Lara-Whelpley, M., Thomas, E. and Varekamp J.C., 1993: Marsh evolution on two sides of the Atlantic, *EOS, Transact. AGU*, suppl., p.84.
47. Thomas, E., Booth, L., Maslin, M., and Shackleton, N. J., 1993. Northeastern Atlantic benthic foraminifera during the last glacial and deglaciation. (Invited). *Sixth Biennial Meeting of the European Union of Geosciences*, April 1993.
48. Nydick, K., Bidwell, A., Pasch, J. Thomas E. and Varekamp J.C., 1993: Evolution of the Guilford salt marshes CT, USA. *EOS, Transact AGU*, suppl. EOS, p.84.
49. Thomas, E., and Eldholm, O., 1993. Environmental impact of volcanic margin formation. *SEPM Meeting: The stratigraphic record of Global Change*, August 1993, Penn State University, University Park, PA
50. Thomas, E., and Gooday, A., 1993. Cenozoic evolution of deep-sea benthic foraminifera as a result of increasing nutrient input in the deep sea. *SEPM Meeting: The stratigraphic record of Global Change*, August 1993, Penn State University, University Park, PA
51. Varekamp, J. C., Thomas, E., and van de Plassche, O., 1993. Sediment chemistry and benthic foraminifera in salt-marsh sequences as indicators of relative sea-level rise.

SEPM Meeting: *The stratigraphic record of Global Change*, August 1993, Penn State University, University Park, PA

52. Thomas, E., Nydick, K., Scholand, S. J., and Varekamp, J. C., 1993. Accelerated sea level rise over the last 200 years? *GSA Programs and Abstracts*, October 1993
53. Thomas, E., Varekamp, J. C., Scholand, S., Nydick, K., Bidwell, A., 1993. Variation in relative sea level rise with climate change over the last 2000 years. Final Meeting, *IGCP project 274*, Ostende, Belgium, September 15-18, 1993
54. Thomas, E., and Shackleton, N. J., 1993. The Paleocene benthic foraminiferal extinction: timing, duration and association with stable isotope anomalies. *Geol. Soc. London, December 1-2 (Invited)*.
55. Zachos, J. C., Bralower, T. J., and Thomas, E., 1993. An early Cenozoic stable isotope record from Western Pacific Site 865: implications for the stability of tropical SST. *AGU suppl. EOS*, 26 October 1993, 354
56. Bralower, T. J., Premoli-Silva, I., Sliter, W. V., Thomas, E., and Zachos, J. C., 1993. A tropical Paleogene reference section: ODP Site 865, Allison Guyot, biostratigraphy and stable isotopic results. *AGU suppl. EOS*, 26 October 1993, 354
57. Thomas, E., Diester-Haass, L., Zahn, R., and Shackleton, N. J., 1994. Benthic foraminifera at Maud Rise (Antarctica): indicators of Eocene-Oligocene productivity and deep-water circulation. *Invited, ODP Germany meeting, Cologne (FRG)*, March 2-4 1994
58. Thomas, E., Bralower, T. J., Parrow, M., Paull, C. K., Kelly, D. C., Premoli-Silva, I., Sliter, W. V., and Zachos, J. C., 1994. Latest Paleocene paleoceanography and benthic foraminiferal extinction in the tropical Pacific. *AGU EOS*, 75 (16), 56
59. Gooday, A. J., and Thomas, E., 1994. Deep-sea benthic foraminifera: Cenozoic changes in productivity seen from the bottom up. *AGU EOS*, 75 (16), 52 (*Invited*)
60. Thomas, E., 1994. Early-late Maestrichtian deep-sea environmental changes. *GSA Ann. Meeting Progr. Abstr.*, 26, A-94 (*Invited*; Symposium Cushman Foundation)
61. Zachos, J. C., Bralower, T., and Thomas, E., 1994. Early Cenozoic variations in western equatorial Pacific sea surface and bottom water temperatures as determined from Foraminiferal oxygen isotope ratios. *AGU, EOS* 75 (44), 392 (*Invited*)
62. Varekamp, J. C., and Thomas, E., 1994. Sea level rise and climate change: the last 300 years. *AGU, EOS* 75 (44) 52 (*Invited*)
63. Thomas, E., Zahn, R., and Diester-Haass, L., 1995. The Eocene-Oligocene Transition at high Latitudes: benthic foraminifera, sediments and stable isotopes. *AGU, EOS*, 76 (17), S187 (*Invited*)
64. Barrera, E., Savin, S. M., and Thomas, E., 1995. Global oceanic circulation changes in the mid-Maastrichtian. *IPC-V Progr. Abstr.*, 15 (*Invited*)
65. Costello, O. P., Kuhnt, W., and Thomas, E., 1995. Phytodetritus flux during the Younger Dryas: evidence from benthic foraminifera in the Northeast Atlantic and Iceland Sea. *IPC-V Progr. Abstr.*, 121
66. Sloan, L. C., and Thomas, E., 1995. Paleocene/Eocene global climate reconstructed from sea surface temperature data and climate model computations. *IPC-V Progr. Abstr.*, 150
67. Thomas, E., Diester-Haass, L., Zahn, R., and Meyers, P., 1995. Eocene - Oligocene deep-sea high-latitude environments. *IPC-V Progr. Abstr.*, 173-174

68. Thomas, E., Maslin, M. A., Shackleton, N. J., Manighetti, B., and McCave, I. N., 1995. North Atlantic productivity changes over the last 30 kyr. *IPC-V Progr. Abstr.*, 141
69. Thomas, E., and Varekamp, J. C., 1995. Enhanced rates of sea-level rise since AD1650. *IPC-V Progr. Abstr.*, 116
70. Zachos, J., Bralower, T. J., Kelly, D., Koch, P., and Thomas, E., 1995. Global warming and its environmental consequences at the Paleocene-Eocene boundary. *IPC-V Progr. Abstr.*, 25 (Invited)
71. Zahn, R., Diester-Haass, L., Oberhaensli, H., and Thomas, E., 1995. Orbital forcing of Eocene-Oligocene climate: high resolution records of benthic isotopes from ODP Site 689, Maud Rise. *IPC-V Progr. Abstr.*, 177
72. Varekamp, J. C., and Thomas, E., 1995. Trends in relative sea level rise over the last 1500 years. *NASA-NOAA-NSF Sea Level Rise Workshop, Key Biscayne, FL* (November 1995). (Invited)
73. Barrera, E., Savin, S. M., and Thomas, E., 1995. Global oceanic circulation changes in the mid-Maastrichtian. *GSA Ann. Meeting, Progr. Abstr.*, 26, A407
74. Kelly, D. C., Bralower, T. J., Zachos, J. C., Thomas, E., and Premoli-Silva, I., 1995. Rapid diversification of tropical Pacific planktonic foraminifera during the late Paleocene thermal maximum. *GSA Ann. Meeting, Progr. Abstr.*, 26, A405 (Invited)
75. Thomas E., 1995. Deep-sea benthic foraminifera: business as usual at the end of the Cretaceous, disaster at the end of the Paleocene. *GSA Ann. Meeting, Progr. Abstr.*, 26, A404-405 (Invited)
76. Varekamp, J. C., and Thomas, E., 1995. Marsh accretion and relative sea-level rise since AD 1000). *GSA Ann. Meeting, Progr. Abstr.*, 26, A448
77. Zahn, R., H. Oberhänsli, J. Zachos, T. Crowley, L. Diester-Haass, and E. Thomas, 1996, Milankovitch Modulation of Climatic Change during the early Oligocene (Oi-1, appr. 33.7 Ma ago): Evidence for fine structure in an Abrupt Climate Shift, *ODP Germany meeting, Oberhausen (FRG)*, march 1996
78. Saffert, H., Varekamp, J. C., and Thomas, E., 1996, Life on the Edge: coastal salt marsh foraminifera. *Spring Meeting AGU*
79. Thomas, E., 1996, Deep-Sea Environments In The Absence Of Polar Ice Caps: The Case Of The Early Eocene. *North American Paleontological Convention, Washington D.C.*, June 1996 (Invited)
80. Thomas, E., 1996. The deep-sea environment in the early Eocene; stability and variability of the Greenhouse World. (Invited), *MESH-USSAC Workshop 'Periods of Extreme Warmth'*, Santa Cruz, Ca, July 1996.
81. Horne, G. S., Patton, P. C., Thomas, E., and Varekamp, J. C., 1996. Rate variations in relative sea level rise in Connecticut, USA, over the last 4000 years. *30th International Geological Congress, Beijing, China* (august 1996) (Invited).
82. Thomas, E., 1997, Biogeography of the benthic foraminiferal extinction in the late Paleocene-early Eocene; Invited Talk; *Penrose Conference IGCP Project 308: The Paleocene/Eocene boundary*, April 24-29, Albuquerque, NM (Invited).
83. Varekamp, J.C. and Thomas, E., 1997, Relative Sea Level Rise Trends in Long Island Sound Over the Last 1500 Years. *LIS Res. Conf.*, Avery Point, CT, 18 Oct., 1996.
84. Thomas, E., and Turekian, K. K., 1997, Productivity Control of Fine-Particle Transport to the Equatorial Pacific Sediments, *Spring Meeting AGU*

85. Thompson, W., Kreulen, B., Tobey, E., Varekamp, J. C., and Thomas, E., 1997, The Farm River Marsh, CT: Evolution and Pollution, *Spring Meeting AGU*, S136
86. Varekamp, J.C. and Thomas, E., 1997, Sea Level Rise and Climate Change: the last millennium, *AGU spring meeting*, S50.
87. Saffert, H., Carey, D., and Thomas, E., 1997. Applying micropaleontological techniques for environmental monitoring: a capping demonstration project of dredged sediment from the Royal River at Portland Disposal Site, Maine. *Abstract Volume, 14th Biennial Estuarine Research Federation International Conference: the State of Our Estuaries*, October 12-16, Providence (RI), p. 160
88. Bralower, T. J., Thomas D., Zachos, J. C., Hirschmann, M., Whitney, D., Röhl, U., Sigurdsson, H., and Thomas, E., 1997, High-Resolution Records of the Late Paleocene Thermal Maximum and Circum-Caribbean Volcanism: Is There a Causal Link?, *Fall Meeting 1997, AGU*
89. Thomas, E., Gibson, T., Bybell, L., and Zachos, J. C., 1997, The Late Paleocene Thermal Maximum in New Jersey (USA), *Fall Meeting 1997, AGU (Invited)*
90. Thomas, E. and Varekamp, J.C., 1997, Sea Level Rise and Climate Change: a Record from Dennis Creek, NJ. *Fall Meeting 1997, AGU*
91. Thomas, E., and Wei, K.-Y., 1998. The equatorial Pacific: productivity and dissolution over the last 250,000 years. *Spring Meeting, AGU*
92. Thomas, E., 1998. Deep-sea benthic foraminifera: bounty and starvation. *FORAMS '98, Monterrey, Mexico (July 1998) (Invited)*
93. Gupta, A. K., and Thomas, E., 1998, Plio-Pleistocene Paleoceanographic Evolution of the Laccadive-Chagos Ridge (Indian Ocean), *IPC VI, Lisbon*
94. Thomas, E., Kiefer, T., and Smart, C., 1998, The Last 40 Kyr: Benthic Foraminifera at the Eastern Margin of the North Atlantic Subtropical Gyre, *IPC VI, Lisbon*
95. Thomas, E., Zachos, J. C., and Bralower, T. J., 1998. The latest Paleocene benthic foraminiferal extinction: result of a super-greenhouse? *European ODP Forum, Edinburgh, UK (September 1998)*.
96. Thompson, W.G., Thomas, E. and Varekamp, J.C., 1998, 1500 years of sea level rise in Long Island Sound. *LIS Research Conference, Pace University. 13-14 November 1998*.
97. Gupta, A. K., Joseph, S., and Thomas, E., 1999. The Indian Monsoon System in the Late Miocene (11 to 5.7 Ma), *JGOFS International Meeting, January 19-21, Bangalore, India*
98. Thomas, E., and Rabinovich, P., 1999. Knell's Island: the Ever-Changing Salt Marsh and the Rising Tides over the Last 1500 Years, *First Housatonic River Research Symposium, 5 March 1999, Milford, CT: p. 21-22 (Invited)*.
99. Rabinovich, P., and Thomas, E., 1999. Reconstructing the Environmental History of Knell's Island using Foraminifera , *First Housatonic River Research Symposium, 5 March 1999, Milford, CT, p. 30*
100. Thomas, E., and Varekamp, J. C. , 1999. Rates of Relative Sea Level Rise and Climate Change over the Last Millenium: A Record From Dennis Creek, NJ. *NE GSA Meeting, Providence, RI, March 22-24, 1999, A 72*
101. Varekamp, J. C. , Thomas., and Thompson, W., 1999, Rates of Relative Sea Level Rise along Long Island Sound, *NE GSA Meeting, Providence, RI, March 22-24, 1999 (Invited), A 75*

102. Thompson, W.G., Varekamp, J.C., and Thomas, E., 1999. The Farm River Marsh, CT, AGU spring meeting, Boston, *AGU spring meeting*, Boston, MA. (Invited)
103. Thomas, E., Thompson, W.G., and Varekamp, J.C., 1999. Methods of sea level rise research, *AGU spring meeting*, Boston, MA.
104. Varekamp, J.C., Thomas, E., Thompson, W.G., 1999. Relative sea level rise along the New England Coast. *AGU spring meeting*, Boston, MA
105. Thomas, E., and Zachos, J. C., 1999, Was The Late Paleocene Thermal Maximum A Unique Event? *Meeting On Extreme Warm Climates, Göteborg, Sweden* June 9-13, 1999 (Invited).
106. Gibson, T. G., Bybell, L. M., Thomas, E., and Zachos, J., 1999, Kaolinite Distribution in Upper Paleocene and Lower Eocene Strata of the Northeastern U.S. and Pakistan - Climatic and Stratigraphic Implications. *Meeting on Extreme Warm Climates, Göteborg, Sweden* June 9-13, 1999.
107. Thomas, E., 1999. Deep-sea benthic foraminifera and the Greenhouse-Icehouse Transition in the late Eocene. *Penrose Conference on Marine Records of the Eocene-Oligocene Transition* (Olympia, WA, August 1999 (Invited)).
108. Thomas, E., and Zachos, J. C., 1999, Deep-Sea Faunas during the Late Paleocene - Early Eocene Climate Optimum: Boredom or Boredom with Short Periods Of Terror? *GSA Abstracts with Programs*, Vol. 31, No. 7, October 1999. (Invited)
109. Thomas, E., and Zachos, J. C., 1999. Isotopic, paleontologic and other evidence for multiple transient thermal maxima in the Paleocene and Eocene. *Suppl. EOS, Trans. AGU*, v. 80, nr. 46, p. F487
110. Ohkushi, K., Thomas, E., and Kawahata, H., 1999. Benthic foraminiferal faunas from the northwestern Pacific during the last 298 kyr. *Suppl. EOS, Trans. AGU*, v. 80, nr. 46, p. F533-534.
111. Thomas, E., 2000. Deep Sea Benthic Foraminifera in the Warm Oceans of the Maastrichtian and Paleogene, (Invited), *EOS Suppl., Trans. AGU* vol. 81, S266.
112. Thomas, E., Gapotchenko, T., Varekamp, J. C., Mecray, E. L., Buchholtz ten Brink, M. R., 2000, Environmental changes in Long Island Sound over the last 35 years. *EOS Suppl., Trans. AGU* vol. 81, S82
113. Thompson, W. G., Varekamp, J. C. and Thomas, E., 2000, Fault motion along the eastern border fault, Hartford Basin, CT over the last 2800 years. (Invited), *EOS Suppl., Trans. AGU* vol. 81, S 311
114. Thomas, E., Varekamp, J. C., Mecray, E. L., and Buchholtz ten Brink, M. R., 2000. Foraminiferal indicators of environmental change in Long Island Sound. *GSA Abstracts with Programs*, 32: A-91.
115. Thomas, E., Gapotchenko, T., Varekamp, J. C., Mecray, E. L., and Buchholtz ten Brink, M. R., 2000, Environmental Change in Long Island Sound: the Last 35 Years. *Biennial LIS Meeting*, 17-18 November 2000, Stamford, CT.
116. Bralower, T. J., and Thomas, E. 2000., Source to Sink in the Late Paleocene Thermal Maximum: High Resolution Nannofossil and Benthic Foraminiferal Assemblages Changes at ODP Site 690, Weddell Sea. *EOS Suppl., Trans. AGU* , 81, No. 48, F704
117. Rabinovich, P., Thomas, E., and Varekamp, J. C., 2001. Rising Sea Levels and Marsh Foraminifera along the Connecticut and Housatonic Rivers, Connecticut. North Eastern Section, *Geological Society of America, Regional meeting, March 12-14, Burlington, VT*, Programs and Abstracts 33 (1): A-84

118. Thomas, E., Shackeroff, J., Varekamp, J. C., Buchholtz ten Brink, M., and Mecray, E., 2001. Foraminiferal Records of Environmental Change in Long Island Sound, *North Eastern Section, Geological Society of America, Regional meeting*, March 12-14, Burlington, VT, Programs and Abstracts 33 (1): A-83
119. Joseph, S., Gupta, A. K., and Thomas, E., 2001. Benthic faunal and isotope responses to early-middle Miocene climatic turnovers in the northeastern Indian Ocean (ODP Site 758A). *Symposium on the Neogene Climate of the Indian Ocean and the Indian Subcontinent*, March 29-30, Kharagpur, India, p. 16.
120. Thomas, D., Zachos, J., Bralower, T., and Thomas, E., 2001. The triggering mechanism(s) of massive methane hydrate dissociation at the P/E boundary. *Earth System Processes: Geological Society of America and Geological Society of London International Meeting*, 24-28 June, Edinburgh, UK.
121. Dickens, G. R., Thomas, E., and Bralower, T. J., 2001 A Low Productivity Model for excess Barite Accumulation during the Late Paleocene Thermal Maximum. '*Climate and Biota of the Early Paleogene*', July 3-8 2001, Powell, Wyoming. Abstract Volume p. 25
122. Thomas, E., and Bralower, T. J., 2001 High-resolution Benthic Foraminiferal and Nannofossil Ecological Change during the Late Paleocene Thermal maximum (Southern Ocean Site 690). '*Climate and Biota of the Early Paleogene*', July 3-8 2001, Powell, Wyoming, Abstract Volume p. 91.
123. Thomas, E., 2001. Greenhouse World Deep-Sea Benthic Foraminifera in Open Oceans: Limits of Uniformitarianism. *GSA Abstracts with Programs*, 33: A 218 (Invited)
124. Alegret, L., Molina, E., and Thomas, E., 2001. Benthic Foraminiferal Faunal Turnover Across The Cretaceous/Tertiary Boundary in Northeastern Mexico. *GSA Abstracts with Programs*, 33: A 162
125. Abramson, I., Bowman, S., Thomas, E., Varekamp, J. C., Mecray, E. L., Moore, J., and Buchholtz ten Brink, M. R., 2001. Benthic Foraminifera in Long Island Sound: Indicators of Environmental Changes, *GSA Abstracts with Programs*, 33: A 182
126. Lugolobi, F., Varekamp, J. C., Thomas, E., and Buchholtz ten Brink, M. R., 2001. Historical Changes In Water Chemistry and Summer Hypoxia In Long Island Sound, *GSA Abstracts with Programs*, 33: A 364
127. Maslin, M. A., and Thomas, E., 2001. Balancing the Deglacial Global Carbon Budget: the Hydrate Factor. *EOS Suppl., Trans. AGU*, F 777.
128. Thomas, E., Lugolobi, F., Abramson, I., and Varekamp, J. C., 2001. Reconstructing Long Island Sound Environmental Changes and Their Influence on the Biota. *EOS Suppl., Trans. AGU*, F 773
129. Zachos, J. C., Thomas, D., Bralower, T. J., and Thomas, E., 2001. New Constraints on the timing and magnitude of the Paleocene-Eocene boundary Carbon Isotope Excursion in Marine Environments. *EOS Suppl., Trans. AGU*, F 767
130. Thomas, E., 2002. Transfer of Carbon from Surface to Deep Ocean in a Greenhouse World. *Workshop on Cretaceous Climate and Ocean Dynamics*, July 14-17, Florissant, Colorado, USA
131. Thomas, E., Lugolobi, F., and Varekamp, J. C., 2002. Paleoceanographic proxies in Long Island Sound, CT, USA. *Geochemica Cosmochimica Acta*, 66, S1, A 772
132. Thomas, E., Abramson, I., Varekamp, J. C. and Buchholtz ten Brink, M. R., 2002, Eutrophication of Long Island Sound as Traced By Benthic Foraminifera. *Biannual*

Long Island Sound Research Conference/NEERS Fall Meeting, October 24-26 2002, Groton, CT

133. Varekamp, Johan C., Thomas, E., Lugolobi, F., 2002, Paleoenvironmental History of Long Island Sound (LIS), CT, USA. *Biannual Long Island Sound Research Conference/NEERS Fall Meeting, October 24-26 2002, Groton, CT.*
134. Thomas, E., and Varekamp, J. C., 2002, Sea Level Rise In Long Island Sound (LIS) over the last Millennium. *Biannual Long Island Sound Research Conference/NEERS Fall Meeting, October 24-26 2002, Groton, CT.*
135. Lugolobi F., Varekamp, J. C., and Thomas, E., 2002, The Use of Carbon Isotopes to Trace Changes in Biological Oxygen Demand (BOD) In Long Island Sound (LIS). *Biannual Long Island Sound Research Conference/ NEERS Fall Meeting, October 24-26 2002, Groton, CT.*
136. Abramson, I., Thomas, E., Varekamp, J. C., and Buchholtz ten Brink, M. R., 2002. Benthic Foraminifera in Long Island Sound as Indicators of Eutrophication. *GSA Annual Meeting, Abstracts, 34 (6): 384.*
137. Thomas, E., and Roehl, U., 2002. The Paleocene-Eocene Thermal Maximum in Ceara Rise Hole 929E, ODP Leg 154. *GSA Annual Meeting, Abstracts, 34 (6): 462*
138. Thomas, E., and Varekamp, J. C., 2002. Sea Level Rise in Long Island Sound Over the Last Millennium. *EOS Trans. AGU, 83(47), Fall Meet. Suppl., Abstract OS71D-0323*
139. Varekamp, J. C., Thomas, E., Lugolobi, F., and Buchholtz ten Brink, M. R. , 2002, Paleoenvironmental History of Long Island Sound, CT, USA. *EOS Trans. AGU, 83(47), Fall Meet. Suppl., Abstract OS21D-05*
140. Buchholtz ten Brink, M., Butman, B., Bothner, M., Poppe, L., Murray, R., Varekamp, J., Thomas, E., Mecray, E., Harris, C., and Signell, R., 2002. Fate and Impact of Contaminants in Sediments of the NE United States. *Sound. EOS Trans. AGU, 83(47), Fall Meet. Suppl., Abstract OS21D-06*
141. Maslin, M., and Thomas, E., 2003. The Clathrate Gun is firing blanks: evidence from balancing the deglacial global carbon budget. *EGS-AGU-EUG Joint Assembly, Nice, France, 6-11 April, Geophysical Research Abstracts, Vol. 5, 12015*
142. Alegret, L., Molina, E., and Thomas, E., 2003. Environmental turnover across the K/T boundary at Agost (SE Spain). In: *Bioevents: their stratigraphical records, patterns and causes*, (M. A. Lamolda, ed.) Caravaca 3rd-8th June 2003, p. 79.
143. Alegret, L., and Thomas, E., 2003. The K/T Boundary at Blake Nose (NW Atlantic): inferences from benthic foraminifera. In: *Bioevents: their stratigraphical records, patterns and causes*, (M. A. Lamolda, ed.) Caravaca 3rd-8th June 2003, p. 80.
144. Ortiz, S., Molina, E., and Thomas, E., 2003. A possible hyperthermal event at the Ypresian/Lutetian Boundary in the Fortuna section (Betic Cordillera): evidence from benthic foraminifera. In: *Bioevents: their stratigraphical records, patterns and causes*, (M. A. Lamolda, ed.) Caravaca 3rd-8th June 2003, p. 125.
145. Maslin, M., Thomas, E., and Ridgwell, A., 2003. The Clathrate Gun is Firing Blanks: Evidence from balancing the deglacial global carbon budget. *XVI INQUA Congress, 23-30 July, Reno, NE, USA*
146. Thomas, E., 2003. Benthic Foraminifera in the deep oceans: is the Present the key to the Paleogene? *Symposium on the Paleogene: preparing for Modern Life and Climate, 25-30 August 2003, Leuven, Belgium (Invited Keynote Address), S-13*

147. Ortiz, S., Molina, E., and Thomas, E., 2003, Benthic foraminifera across the Ypresian/Lutetian transition at the Fortuna section (SE Spain): evidence of a possible hyperthermal event. *Symposium on the Paleogene: preparing for Modern Life and Climate*, 25-30 August 2003, Leuven, Belgium, P-48
148. Barker, P. F., and Thomas, E., 2003. The Onset and Development of the Antarctic Circumpolar Current. *9th International Symposium on Antarctic Earth Sciences*, 6-15 September 2003, Potsdam, Germany
149. Cooper, S. R., Thomas, E., and Varekamp, J. C., 2003. Environmental Change in Long Island Sound: Diatoms from Sediment Cores. *17th North American Diatom Symposium*, October 21-26, Islamorada, FL
150. Thomas, E., and Barker, P. F., 2003, Onset and Development of the Antarctic Circumpolar Current. *GSA Annual Meeting, Abstracts*, 35 (6): 239-4
151. Ortiz, S., Molina, E. and Thomas, E., 2003, Ypresian/Lutetian (Y/L) Paleoenvironments in SE Spain: Inferences from Benthic Foraminifera. *GSA Annual Meeting, Abstracts*, 35 (6): 103-9
152. Alegret, L. and Thomas, E., 2003, Changes in Oceanic Primary Productivity Triggered by the Cretaceous/Tertiary Boundary Event at Blake Nose (NW Atlantic): Inferences from Benthic Foraminifera. *GSA Annual Meeting, Abstracts*, 35 (6): 103-7
153. Molina, E., Alegret, L. and Thomas, E., 2003, Paleoenvironmental Changes at Agost (SE Spain) Triggered by the Cretaceous/Tertiary (K/T) Boundary Impact, *GSA Annual Meeting, Abstracts*, 35 (6): 103-8
154. Lugolobi, F., Varekamp, J. C., Thomas, E., Mecray, E., Buchholz ten Brink, M., 2003. Carbon Cycling in Long Island Sound over the Last 1000 Years. *EOS Trans. AGU 84(46), Fall Meeting Suppl.*, Abstract B51F-08.
155. Cooper, S. R., Thomas, E., and Varekamp, J. C., 2004. Long Island Sound: diatoms from sediment cores as part of environmental and ecological change studies. *Mid-Atlantic Ecology Conference: Sustainable Landscapes*, March 27-28, Franklin & Marshall College, Lancaster, PA, Abstracts p. 6
156. Thaler, B., Thomas, E., and Varekamp, J. C., 2004. Benthic foraminifera in the changing ecosystem of Long Island Sound. *EOS Trans. AGU*, 85 (17), Jt. Assem. Suppl., Abstract GC43A-05
157. Groner, M., Thomas, E., and Varekamp, J.C., 2004, Radiocarbon studies of Long Island Sound sediments. *EOS Trans. AGU*, 85 (17), Jt. Assem. Suppl., Abstract GC43A-04
158. Varekamp, J.C., Lugolobi, F., Thomas, E., Mecray, E. and Buchholtz ten Brink, M.R.L., 2004, The eutrophication of Long Island Sound. *EOS Trans. AGU*, 85 (17), Jt. Assem. Suppl., Abstract GC41B-01
159. Thomas, E., 2004. Mass Extinctions in the Deep-Sea: What perturbs the largest Habitat on Earth? Invited Key Lecture; *IGC 32*, Florence, Italy, August 2004, Session T04.01 - Catastrophes in Earth History - Mass extinctions and other large ecosystem perturbations: extraterrestrial and terrestrial causes.
160. Thomas, E., Varekamp, J. C., Thaler, B., and Groner, M., 2004. The urban sea: anthropogenic influences on benthic foraminifera in Long Island Sound (USA). *IGC 32*, Florence, Italy, August 2004

161. Thomas, E., and the ODP Leg 208 Shipboard Scientific Party, 2004. Starvation, Asphyxiation, Eutrophication, Dissolution: Killing benthic Foraminifera at the end of the Paleocene. *ICP 8, Biarritz*, France, September 6-10 2004.
162. Lourens, L. J., Sluijs, A., Kroon, D., Zachos, J. C., Thomas, E., Roehl, U., and the ODP Leg 208 Shipboard Scientific Party, 2004. An early Eocene transient warming (~53 Ma): implications for astronomically paced early Eocene hyperthermal events. *ICP 8, Biarritz*, France, September 6-10 2004.
163. Maslin, M., Day, S., Ridgwell, A., Thomas, E., and Cox, P., 2004. Gas Hydrates: an essential component in understanding climate change in the Cenozoic. *ICP 8, Biarritz*, France, September 6-10 2004.
164. Smart, C. and Thomas, E., 2004. The Early Miocene High Abundance Bolivinitid (HAB) Event At Walvis Ridge, Southeastern Atlantic Ocean (ODP Leg 208): Paleoceanographic Implications. *ICP 8, Biarritz*, France, September 6-10 2004.
165. Cooper, S. R., Thomas, E., Varekamp, J. C., and Sangiorgi, F., 2004. Western Long Island Sound: Evidence from Diatom Studies of Eutrophication and Environmental Change in the 19th Century; *AERS Fall Meeting*, October 14-16, 2004, New Jersey Meadowlands Commission, Lyndhurst, NJ, USA
166. Thomas, E., Varekamp, J. C., Thaler, B., and Acosta, Z., 2004. Anthropogenic Influences on Benthic Foraminiferal Faunas in Long Island Sound. *Seventh Biennial Long Island Sound Research Conference*, November 4-5 2004, State University of New York, Stony Brook NY.
167. Varekamp, J. C., Thomas, E., and Groner, M., 2004. The Early History of Long Island Sound. *Seventh Biennial Long Island Sound Research Conference*, November 4-5 2004, State University of New York, Stony Brook NY.
168. Cooper, S. R., Thomas, E., Varekamp, J. C., and Sangiorgio, F., 2004. Anthropogenic Eutrophication of Long Island Sound: effects on diatom communities through time. *Seventh Biennial Long Island Sound Research Conference*, November 4-5 2004, State University of New York, Stony Brook NY.
169. Bralower, T. J., Firth, J., Barron, J., Leckie, R. M., Sanfilippo, A., and Thomas, E., 2004. Ensuring the Future of CHRONOS through Development of the Next Generation of Micropaleontologists. *GSA Annual Meeting, Abstracts* 36(6): 61-10
170. Thomas, E., Varekamp, J. C., Acosta, Z., Thaler, B., Cooper, S., and Sangiorgio, F., 2004. Eutrophication of western Long Island Sound, *GSA Annual Meeting, Abstracts* 36(6): 212-17
171. McCarren, H. K., Thomas, E., and Zachos, J. C., 2004. Depth Dependant Variations in Benthic Foraminiferal Assemblages and Stable Isotopes Across the P-E Boundary, Walvis Ridge (ODP Leg 208). *Eos Trans. AGU, 85(47), Fall Meet. Suppl., Abstract* PP11B-0564
172. Sluijs, A., Lourens, L. J., Kroon, D., Zachos, J. C., Thomas, E., Ursula Röhl U., and the ODP Leg 208 Shipboard Scientific Party, 2004. An early Eocene transient warming (~53 Ma): Implications for astronomically-paced early Eocene hyperthermal events. *Eos Trans. AGU, 85(47), Fall Meet. Suppl., Abstract* PP14A-03
173. Röhl, U., Zachos, J. C., Thomas, E., Kelly, D. C., Donner, B., and Westerhold, T., 2004. Multiple early Eocene Thermal Maximums. *EOS Trans. AGU, 85(47), Fall Meet. Suppl., Abstract* PP14A-02.

174. Zachos, J., Roehl, U., Hodell, D., Thomas, E., Sluijs, A., Schellenberg, S., Kelly, C., McCarren, H., Kroon, D., and Nicolo, M., 2004. Extreme Acidification of the Deep Sea at the Paleocene-Eocene Boundary: New Constraints From Ocean Drilling Program Leg 208, *EOS Trans. AGU*, 85 (47), Fall Meet. Suppl., Abstract PP11B-0561
175. Thomas, E., Varekamp, J. C., Cooper, S., and Sangiorgi, F., 2005. The American Mediterranean: the influence of human populations on the ecosystem in Long Island Sound. *Workshop on Coastal Pollution Issues: Living on the Edge*. Bologna, 28 April 2005.
176. Sangiorgi, F., Brinkhuis, H., Thomas, E., Varekamp, J. C., and Cooper, S., 2005. Eutrophication trends and human impact in Long Island Sound (USA): organic walled dinoflagellate cyst and pollen records as part of a multidisciplinary study, *Workshop on Dinoflagellates and their Cysts: Their Ecology and Databases for Palaeoceanographic Reconstructions*. Liverpool (UK), 31 August-2 September 2005.
177. Panieri, G., Thomas, E., Varekamp, J. C., Barbieri, R., Rossi, P. L., 2005. Valle Smarlacca, Ravenna: a Eutrophied and Manipulated Ecosystem. *10th EuChemS-DCE International Conference on the Role of Chemistry in the Environment: our choice, our life*. September 4-7, 2005, Rimini, Italy.
178. Thomas, E., and Barker, P. F., 2005. The Antarctic Circumpolar Current: relation to Antarctic glaciation? *GeoItalia 2005, Quinto Forum Italiano di Scienze della Terra, Spoleto 21 - 23 September 2005 (Invited)*; Epitome, v. 1, p. 16.
179. Thomas, E., and McCarren, H., 2005. Benthic Foraminifera and early Eocene Hyperthermal Events (SE Atlantic Ocean). *GSA Annual Meeting, Abstracts 37 (7)*, p. 413.
180. Roehl, U., Westerhold, T., Monechi, S., Thomas, E., Zachos, J. C., and Donner, B., 2005. The third and final early Eocene thermal maximum: characteristics, timing, and mechanisms of the "X" event. *GSA Annual Meeting, Abstracts, 37 (7)*, p. 264
181. Varekamp, J. C., and Thomas, E., 2005. The early geological history of Long Island Sound. *EOS Trans. AGU*, 86 (52), Fall Meet. Suppl., Abstract PP13A-1481.
182. Thomas, E., 2006. Deep-sea biota: consequences of massive greenhouse gas emissions, *AAAS National Meeting*, St. Louis, MI, February 2006, Session # 895: Geosystems: Ancient Greenhouse Emissions and Hothouse Climates (*Invited*)
183. Roehl, U., Westerhold, T., Monechi, S., Thomas, E., Zachos, J. C. and Donner, B., 2006, The third Early Eocene Thermal Maximum: Characteristics, Timing, and Mechanisms of the "X" Event. *EGU General Assembly 2006*, Session SSP1.
184. Thomas, E., and Varekamp, J. C., 2006. Long Island Sound: a Human Dominated Environment, *EOS Trans. AGU*, 87 (36), Jt. Assem. Suppl., Abstract B24A-07
185. Alegret, L., and Thomas, E., 2006. The Cretaceous/Paleogene boundary event in the deep sea: new evidence from the SE Atlantic Ocean. *Meeting on Climate and Biota of the Early Paleogene (CBEP)*, Bilbao, Spain, Volume of Abstracts, p. 6.
186. Thomas, E., 2006. Where are we in understanding the PETM/IETM? *Meeting on Climate and Biota of the Early Paleogene (CBEP)*, Bilbao, Spain, Volume of Abstracts, p. 135.
187. Thomas, E., Roehl, U., Monechi, S., Westerhold, T., Basletta, B., and Morelli, G., 2006. An early Eocene hyperthermal event at ~ 52.5 Ma. *Meeting on Climate and Biota of the Early Paleogene (CBEP)*, Bilbao, Spain, Volume of Abstracts, p. 136.

188. Thomas, E., Lourens, L., Sluijs, A., and Stap. L., 2006. Benthic foraminifera and stable isotopes during the 'Elmo' early Eocene hyperthermal event (~53.3 Ma). *Meeting on Climate and Biota of the Early Paleogene (CBEP), Bilbao, Spain*, Volume of Abstracts, p. 137.
189. Zachos, J. C., Murphy, B., McCarren, H., Thomas, E., and Roehl, U., 2006. A high resolution record of the Elmo Event from Shatsky Rise, IODP Leg 198. *Meeting on Climate and Biota of the Early Paleogene (CBEP), Bilbao, Spain*, p. 151.
190. Thomas, E., 2006. Deep-sea benthic foraminifera and the oceanic carbon cycle during the Cenozoic. *FORAMS 2006 (Invited Key Note Address)*, Anuário do Instituto de Geociências, 29 (1), 170-171
191. Alegret, L., and Thomas, E., 2006. Deep-Sea environments across the Cretaceous/Paleogene boundary in the SE Atlantic Ocean (ODP Leg 208, Hole 1262C, Walvis Ridge). *FORAMS 2006*, Anuário do Instituto de Geociências, 29 (1), 478-479
192. Thomas, E., and Varekamp, J. C., 2006. Benthic foraminifera in a human-dominated environment: Long Island Sound. *FORAMS 2006 (Invited)*, Anuário do Instituto de Geociências, 29 (1), 573-574.
193. Smart, C. W., and Thomas, E., 2006. Enigmatic early Miocene biserial foraminifera. *FORAMS 2006*, Anuário do Instituto de Geociências, 29 (1), 631-632.
194. Thomas, E., 2006. How fast was food delivery to the seafloor restored after the Cretaceous/Paleogene plankton extinction? *FORAMS 2006*, Anuário do Instituto de Geociências, 29 (1), 513-514
195. Darling, K., Thomas, E., and Wade, C., 2006. Molecular and morphological studies of *Streptochilus* from the Arabian Sea. *FORAMS 2006*, Anuário do Instituto de Geociências, 29 (1), 187
196. Thomas, E., Varekamp, J. C., and Avener, E., 2006. Multiproxy records of eutrophication in Long Island Sound. *GSA Annual Meeting, Abstracts with Programs*, 38 (7), 323
197. Best, M., Bibeau, K., Spitzberg, D., Thomas, E., Varekamp, J. C., and Bernatis, J., 2006. Shell fragmentation as an indicator of benthic conditions. *GSA Annual Meeting, Abstracts with Programs*, 38 (7), 442
198. Thomas, E., and Varekamp, J. C., 2006. Benthic Foraminifera: Ecosystem Monitors of Eutrophication in Long Island Sound. *Eighth Biennial Long Island Sound Research Conference*, United States Coast Guard Academy, New London. CT, Program and Abstracts Volume, 37.
199. Varekamp, J. C., Thomas, E., and Lewis, R. S., 2006. The early history of Long Island Sound. *Eighth Biennial Long Island Sound Research Conference*, United States Coast Guard Academy, New London. CT, Program and Abstracts Volume, 39
200. Varekamp, J. C., Thomas, E., Buchholtz ten Brink, M. , and Mccray, E., 2006. The Environmental Impact of Early Western Colonization on Long Island Sound: Beavers meet Climate Change, *Eighth Biennial Long Island Sound Research Conference*, United States Coast Guard Academy, New London. CT. Program and Abstracts Volume, 39-40.
201. Irving, D. H., Smart, C. W., Ramsay, A. T., and Thomas, E., 2006. Miocene Indian Ocean Circulation: a high-resolution multivariate analysis of interbasinal records. *EOS Trans. AGU*, 87(52), Fall Meet. Suppl., Abstract PP22B-02

202. Murphy, B. H., Zachos, J. C., McCarren, H. K., Thomas, E., and Roehl, U., 2006. High resolution records of the Elmo Event from Shatsky Rise, IODP Sites 1209 and 1211. *EOS Trans. AGU*, 87(52), Fall Meet. Suppl., Abstract PP23C-1777
203. Darling, K., Kasemann, S., Thomas, E., and Wade, C., 2007. An investigation of the life history of *Streptochilus* from the Arabian Sea. *The Micropalaeontological Society Foraminifera and Nannofossil Groups Joint Spring Meeting*, June, 2007, Angers, France
204. Barker, P. F., Escutia, C., Filipelli, G., Florindo, F., Funakawa, S., Martin, E., Pagani, M., and Thomas, E., 2007. The Onset and Role of the Antarctic Circumpolar Current. *10th International Symposium on Antarctic Earth Sciences*, Santa Barbara, CA, 26-31 August 2007.
205. Roehl, U., Monechi, S., Thomas, E., and Zachos, J. C., 2007. The third early Eocene thermal maximum: characteristics, timing, and mechanisms of the X event. *North Atlantic and Arctic Climate Variability, An IODP Topical Symposium* August 15-16, 2007, Universität Bremen, Bremen, Germany
206. Stap, L., Lourens, L., Thomas, E., Reichert, G.-J., Groeneveld, J., Sluijs, A., and Zachos, J., 2007. Reconstruction of ocean temperature and carbonate chemistry during ETM2 (~53.3 Ma). *ICP9*, Shanghai, China, September 3-7, 2007, p. 212
207. McCarren, H., Thomas, E., and Zachos, J. C., 2007. The Paleocene-Eocene Thermal Maximum Carbon Isotope Excursion: insights from ODP Leg 208, Walvis Ridge. *ICP9*, Shanghai, China, September 3-7, 2007, p. 197.
208. Smart, C. W., and Thomas, E., 2007. Paleoceanographic significance of abundant biserial planktic foraminifera in the early Miocene. *ICP9*, Shanghai, China, September 3-7, 2007, p. 211-212.
209. Thomas, E., Schmidt, D., Kroon, D., Alegret, L., Bernaola, G., Lohmann, K. C., Monechi, S., Roehl, U., and Westerhold, T., 2007. Effects of the end Cretaceous asteroid impact, Walvis Ridge, SE Atlantic Ocean. *ICP9*, Shanghai, China, September 3-7, 2007. *ICP9*, Shanghai, China, September 3-7, 2007, p. 96.
210. Varekamp, J. C., Thomas, E., and Lewis, R. S., 2007. Early Long Island Sound: the American Black Sea?. *ICP9*, Shanghai, China, September 3-7, 2007, p. 99.
211. Thomas, E., 2007. Deep-Sea Benthic Foraminifera: Cold and Warm. *Invited, AGU, 88 (52), Fall Meet. Suppl., Abstract OS14A-06*
212. Thomas, E., and Varekamp, J. C., 2007. The Flooding of Long Island Sound. *AGU, 88 (52), Fall Meet. Suppl., Abstract PP13B-1277*
213. Barker, P., Escutia, C., Filipelli, G., Florindo, F., Funakawa, S., Pagani, M., Thomas, E., 2008. The Onset and Role in Climate Development of the Antarctic Circumpolar Current. *EGU2008 Session CL31: Cenozoic Antarctic glacial history*.
214. Naafs, B.D.A., Stap, H.L., Thomas, E., Lourens, L., Reichert, G.J. and Hodell, D.A., 2008. Integrated oxygen isotope and Mg/Ca analysis of benthic foraminiferal species: the last 30 Myr. *EGU2008 Session CL37: The Miocene on land and in the oceans*.
215. Stap, L., Lourens, L., Sluijs, A., and Thomas, E., 2008. Reconstruction of ocean temperature and carbonate dissolution during ETM-2 (~53.7 Ma). *EGU2008 Session CL36: Warm Climates in the Past*.
216. Varekamp, J. C., Thomas, E., and Lewis, R. S., 2008. The Formation and Evolution of Long Island Sound – the ‘American Black Sea’. *Invited, American Quaternary Association Biennial Meeting*, June 5-7, Pennsylvania State University, State College, PA.

217. Schmidt, D. N., Ridgwell, A. J., Kasemann, S. A., and Thomas, E., 2008. Constraints on carbon cycle changes during the PETM: learning from the past about the future. *Initial Meeting of the European Project on Ocean Acidification (EPOCA)*, Nice (France), 10-13 June 2008.
218. Schmidt, D. N., Ridgwell, A. J., Kasemann, S. A., and Thomas, E., 2008. Constraints on carbon cycle changes during the PETM. *Goldschmidt Conference*, July 13-18, 2008, Vancouver BC
219. Alegret, L., and Thomas, E., 2008. Food supply to the seafloor: crisis after the Cretaceous/Paleogene Boundary event. *IGC 33*, Oslo, August 6-14, 2008.
220. Varekamp, J. C., Thomas, E., and Lewis, R. S., 2008. The Formation and Evolution of Long Island Sound. *GSA Annual Meeting*, 282-3.
221. Darling, K. F., Thomas, E., Kasemann, S., Smart, C. W., Sears, H. A., and Wade, C. M., 2008. Evolution from Benthos to Plankton: rare or common? *GSA Annual Meeting*, 169-13.
222. Varekamp, J. C., Thomas, E., and the Keck Research team, 2008. The environmental history of Block Island (RI), *Fall 2008 Meeting, NEERS*, Block Island, RI, 16-18 October 2008.
223. Thomas, E., Varekamp, J. C., and the Keck Research Team, 2008, The changing environments of Great Salt Pond (Block Island, RI). *Fall 2008 Meeting, NEERS*, Block Island, RI, 16-18 October 2008.
224. Varekamp, J. C., and Thomas, E., 2008. Paleo-environmental records from Long Island Sound: a thousand year perspective. *Long Island Sound Ninth Biennial Research Conference*, October 30-31, New London, CT
225. Schmidt, D. N., Ridgwell, A. J., Kasemann, S. A., and Thomas, E., 2008, The Change in pH in the Oceans during the PETM, *EOS Trans. AGU* 89 (53), Fall Meeting Suppl., Abstract PP32A-05, Invited
226. Thomas, E., and Alegret, L., 2009. The Cretaceous/Paleogene Carbon Cycle. *Climatic and Biotic Events of the Paleogene*, 12-25 January 2009, Wellington, New Zealand, Conference Program and Abstracts, p. 34 (Invited)
227. Alegret, L., and Thomas, E., 2009, Crisis in the Pacific Ocean after the Cretaceous/Paleogene boundary event. *Climatic and Biotic Events of the Paleogene*, 12-25 January 2009, Wellington, New Zealand, p. 91
228. Stap, L., Sluijs, A., Thomas, E., and Lourens, L., 2009. Deep sea temperatures and carbonate dissolution during Eocene Thermal Maximum 2 and H2. *Climatic and Biotic Events of the Paleogene*, 12-25 January 2009, Wellington, New Zealand, p. 83.
229. Stassen, P., Thomas, E., and Speijer, R. P., 2009, Earliest Eocene environments along the New Jersey coastal plain. *Climatic and Biotic Events of the Paleogene*, 12-25 January 2009, Wellington, New Zealand, p. 84
230. Varekamp, J. C., and Thomas, E., 2009. Block Island, RI: a microcosm for the study of anthropogenic and natural environmental change. *22th annual Keck Symposium*. April 17-18, 2009; Franklin & Marshall College, Lancaster, PA.
231. Roehl, U., Westerhold, T., Thomas, E., Monechi, S., and Donner, B., 2009. New Focus on the early Eocene Greenhouse World: rates and dates of ancient global warming events or what makes the X event special. *European Geosciences Meeting General Assembly 2009*, Vienna, Austria April 19-24; EGU2009-4218 (Invited).

232. Alegret, L. and Thomas, E., 2009. Foraminiferal turnover and carbon cycle perturbation across the Cretaceous-Paleogene boundary in the Pacific Ocean. *Workshop Transient Changes in Past Warm Climates*, August 1, 2009, Urbino, Italy
233. Darling, K. F., Thomas, E., Kasemann, S., Smart, C. W., Sears, H. A., and Wade, C. M., 2009. Surviving the Cretaceous-Tertiary mass extinction by bridging the benthic/planktic divide. *8th International Symposium on the Cretaceous System*, 6-12 September 2009, Plymouth, UK
234. Ortiz, S., and Thomas, E., 2009. Deep-Sea Palaeoenvironments across the Ypresian-Lutetian Transition: Evidence from Benthic Foraminifera, ODP Holes 1263A and 1267A, Walvis Ridge (SE Atlantic). *Workshop on the Ypresian/Lutetian Boundary Stratotype. Gorrondatxe Section*, 25-27 September 2009, Getxo, Spain.
235. Thomas, E., Varekamp, J. C., Bartolai, A., Gillig, S., Kravet, E., Neurath, J., Scheick, R., Veeneman, C., 2009. Environmental Evolution of Block Island. *GSA Abstr. Progr.*, 41 (7): 526.
236. Thomas, E., Varekamp, J. C., Cooper, S., Sangiorgi, F., Donders, T., Proxies for Eutrophication in Long Island Sound. *'Coasts and Estuaries in a Changing World', CERF 2009*, Portland, OR (Nov. 1-5, 2009).
237. Varekamp, J. C., Altabet, M. Thomas, E., Ten Brink, M., Andersen, N., and Mccray, E., 2009. Hypoxia in Long Island Sound - Since When and Why. *'Coasts and Estuaries in a Changing World', CERF 2009*, Portland, OR (Nov. 1-5, 2009).
238. Griffith, E., Calhoun, M., Thomas, E., Erhardt, A., Averyt, K., Bralower, T., Lyle, M., Lyle, A., Paytan, A., 2009. Export Productivity and Carbonate Accumulation in the Pacific basin at the transition from a Greenhouse to an Icehouse Climate (Late Eocene to early Oligocene). *EOS Trans. AGU*, 90(52), Fall Meet. Suppl., Abstract PP43C-05
239. Brown, R. E., Anderson, L. D., Thomas, E., and Zachos, J. C., 2009. The B/Ca proxy for deep-water carbonate ion concentration: A new species-specific calibration for *Nuttallides umbonifera*. *EOS Trans. AGU*, 90(52), Fall Meet. Suppl., Abstract PP13A-1379
240. Ridgwell, A., Thomas, E., Alegret, L., and Schmidt, D., 2010. Exploring the ecological variability of the biological pump. *Ocean Sciences Meeting*, 22-26 Feb. 2010, Portland, OR
241. Varekamp, J. C., Thomas, E., Bartolai, A., Gillig, S., Kravet, E., Neurath, J., Scheick, R., Veeneman, C., 2010. The evolution of Great Salt Pond (Block Island, RI) over the last 3500 years, Abstract 76-7, *GSA Programs and Abstracts*, Vol. 42, n. 1, p. 176
242. Thomas, E., Varekamp, J. C., Cooper, S., Sangiorgi, F., Donders, T., 2010. Microfossil proxies for anthropogenic environmental changes in Long Island Sound. Abstract 76-6, *GSA Programs and Abstracts*, Vol. 42, n. 1, p. 175-176
243. Wit, J. C., Haig, J., Jorissen, F., Thomas, E., and Reichart, G.-J., 2010. Reconstructing Mg/Ca ratios of seawater and implications for Mg/Ca based climate reconstructions. *European Geosciences Union General Assembly*, 2-7 May 2010, Vienna, Austria.
244. Stap, L., Lourens, L., Thomas, E., Sluijs, A., Bohaty, S., and Zachos, J. C., 2010, Paleocene-Eocene Thermal maximum and Eocene Thermal Maximum 2: two hyperthermals of a kind? *European Geosciences Union General Assembly*, 2-7 May 2010, Vienna, Austria.

245. Ridgwell, A., Thomas, E., Alegret, L., and Schmidt, D., 2010, Marine carbon cycling following end Cretaceous extinction. *European Geosciences Union General Assembly*, 2-7 May 2010, Vienna, Austria.
246. Alegret, L. and Thomas, E., 2010. Rapid recovery of food supply to the seafloor after the Cretaceous-Palaeogene mass extinction. *The Colors of Paleoceanography*, Symposium to honor Isabella Premoli Silva, Italy, May 2010.
247. Stassen, P., Thomas, E., and Speijer, R. P., 2010. Earliest Eocene environments along the New Jersey coastal plain. *International Paleontological Congress*, June 28-July 3, London, UK, Session S3, Abstract Volume p. 362.
248. Schmidt, D. N., Ridgwell, A. J., Kasemann, S. A., and Thomas, E., 2010. Quantifying ocean acidification during the PETM. *International Paleontological Congress*, June 28-July 3, London, UK, Session S3, Abstract Volume p. 346.
249. Alegret, L. and Thomas, E., 2010. Benthic foraminiferal turnover and carbon cycle perturbation across the Cretaceous/Paleogene boundary in the Pacific Ocean. *International Paleontological Congress*, June 28-July 3, London, UK, Session S3, Abstract Volume p. 68.
250. Brown, R. E., Anderson, L. D., Thomas, E., and Zachos, J. C., 2010, The B/Ca proxy for deep water saturation state: new core top calibration for *Nuttallides umbonifera*. *10th International Conference on Paleoceanography*, Aug 29-Sept 3 2010, San Diego, CA,
251. Foster, L. C., Schmidt, D. N., Ridgwell, A., Thomas, E., Coath, C., Hinton, R., and Scott, T., 2010, Boron isotopic evidence for PETM changes in Atlantic deep-water properties. *10th International Conference on Paleoceanography*, Aug 29-Sept. 3, 2010, San Diego, CA,
252. Hönisch, B., Hyams, O., Thomas, E., Zeebe, R., and Zachos, J. C., 2010, Reconstructing deep-sea acidification during the PETM. *10th International Conference on Paleoceanography*, Aug 29-Sept 3, 2010, San Diego, CA
253. Smart, C. W. and Thomas, E., 2010. High abundances of biserial planktic foraminifera in the early Miocene of the northeastern Atlantic Ocean: palaeoceanography and evolution. *FORAMS 2010*, September 5-10, Bonn, Germany.
254. Foster, L. C., Schmidt, D. N., Ridgwell, A., Thomas, E., Coath, C., Hinton, R., and Scott, T., 2010, Boron isotopic evidence for PETM changes in Atlantic deep-water properties. *EPOCA, BIOACID and UKOARP Annual Meeting 2010*, Sept. 27-30, Bremerhaven, Germany
255. Thomas, E., Haynes, A., Yudhistira, S., Malouta, A., and Varekamp, J. C., 2010, Salt Marsh Recovery in Jarvis Creek Marsh, Branford, CT: Tides Rule. *10th Long Island Sound Biennial Research Conference*, October 29-30, Stamford CT.
256. Varekamp, J. C., Haynes, A., Yudhistira, S., Malouta, A., and Thomas, E., 2010, Mercury Contamination in Long Island Sound: Local Sources versus Atmospheric Deposition. *10th Long Island Sound Biennial Research Conference*, October 29-30, Stamford CT.
257. Warren, C. E., Varekamp, J. C., Wadi, A., and Thomas, E., 2010, A four-thousand year Tex86 record of Long island Sound surface temperature. *10th Long Island Sound Biennial Research Conference*, October 29-30, Stamford CT
258. Thomas, E., 2010. Effects of ocean acidification on marine shell-forming organisms: from the past into the future. *Northeast Aquaculture Conference and Expo (NACE)*, Plymouth, MA, Dec. 1-3, 2010.

259. Brown, R. E., Anderson, L. D., Thomas, E., and Zachos, J. C., 2010, A core-top calibration of the B/Ca proxy for deep water saturation for *Nuttallides umbonifera*. Facilitating paleoceanographic reconstructions. *AGU Fall Meeting*, Dec. 13-17, San Francisco, CA, Abstract PP11C-1447.
260. Bralower, T. J., Kump, L. R., Eccles, L., Smith, G. J., Lindemann, T. L., Bowen, G. J., Schneider, A., and Thomas, E., 2010, High-resolution grainsize analysis and its significance for detecting ocean acidification at the onset of the Paleocene Eocene Thermal Maximum. *AGU Fall Meeting*, Dec. 13-17, San Francisco, CA, Abstract PP13E-05.
261. Zachos, J. C., Anderson, L. D., Brown, R. E., Hönisch, B., Kelly, C., Penman, D., Thomas, E., and Zeebe, R. E., 2010. Ocean Acidification during the Paleocene-Eocene Thermal Maximum: constraints from multiple proxies. *AGU Fall Meeting*, Dec. 13-17, San Francisco, CA, Abstract PP13E-06
262. Hönisch, B., Hyams, O., Raitzsch, M., Thomas, E., Zachos, J. C., and Zeebe, R. E., 2010. Reconstructing deep-sea acidification during the early Cenozoic. *AGU Fall Meeting*, Dec. 13-17, San Francisco, CA, Abstract PP13E-07
263. Thomas, E., Zachos, J. C., and Roehl, U., 2010, Acidification and Deoxygenation during Hyperthermal Events: Evidence from Seafloor Biota. *AGU Fall Meeting*, Dec. 13-17, San Francisco, CA, Abstract PP13E-08.
264. Sluijs, A., Bijl, P., Stap, L., van Roij, L., Bohaty, S. M., Brinkhuis, H., Harrington, G. J., Lourens, L. J., Reichart, G.-J., Roehl, U., Schneider, L. J., Sessa, J., Thomas, E., Schouten, S., and Zachos, J. C., 2010, Temperature and carbon isotope histories for early Eocene hyperthermals: events linked by a similar causal mechanism? *AGU Fall Meeting*, Dec. 13-17, San Francisco, CA. Abstract PP21E-03.
265. Warren, C. E. , Varekamp, J. C., Wadi, A., and Thomas, E., 2010, Long Island Sound water Temperatures during the last two thousand years. *AGU Fall Meeting*, Dec. 13-17, San Francisco, CA, Abstract PP43B-1698
266. Varekamp, J. C., and Thomas, E., 2011. Human Impacts on Long Island Sound. *Connecticut Conference on Natural Resources*, University of Connecticut, Storrs/Manfield, CT, 7 March 2011.
267. Thomas, E., and Varekamp, J. C., 2011. Benthic Foraminifera in Long Island Sound. *NEERS Spring Meeting*, 5-7 May 2011, Port Jefferson, Long Island, NY
268. Alegret, L. and Thomas, E., 2011. The Cretaceous/Paleogene (K/Pg) boundary impact event: no collapse of export productivity. *Climate and Biota of the early Paleogene (CBEP 2011)*, 5th-8th June 2011, Salzburg, Austria
269. Thomas, E., Foster, L., Schmidt, D., Roehl, U. and Zachos, J. C., 2011. Life in the Deep-Sea during Eocene hyperthermal events. *Climate and Biota of the early Paleogene (CBEP 2011)*, 5th-8th June 2011, Salzburg, Austria
270. Stassen, P. Thomas, E. and Speijer, R. P., 2011. Dissecting the PETM along the New Jersey Coastal Plain. *Climate and Biota of the early Paleogene (CBEP 2011)*, 5th-8th June 2011, Salzburg, Austria
271. Van der Wal, S., Taylor, K., Thomas, E., Gibbs, S., Pancost, R. D., Zachos, J. C., Lourens, L. J. and Sluijs, A., 2011. Late Paleocene orbital forcing and carbon cycling in relation to climate and ecosystem changes on the New Jersey shelf. *Climate and Biota of the early Paleogene (CBEP 2011)*, 5th-8th June 2011, Salzburg, Austria

272. Hoenisch, B., Allen, K., Hyams, O., Penman, D., Raitzsch, M., Ruprecht, J., Thomas, E., and Zachos, J. C., 2011. Ocean acidification during the Cenozoic. *9th International Conference on Geochemistry of the Earth's Surface*, June 2-7, Boulder CO, USA
273. Foster, L., Schmidt, D., Ridgwell, A., Thomas, E., Coath, C., Hinton, R. and Scott, T. 2011. Quantifying Ocean Acidification during Palaeogene Hyperthermals. *Goldschmidt Conference*, August 14-19, 2011, Prague, Czech Republic
274. Balestra, B., Thomas, E., Monechi, S., Roehl, U., Morelli, G., 2011. Calcareous nannofossil and benthic foraminiferal biotic response to the X-event on Walvis Ridge. *Geitalia 2011: VIIIth Forum Italiano di Scienze della Terra*, Torino 19-23 Settembre.
275. Post, J. E. and Thomas, E., 2011. Rietveld study of Jianshuijite from ocean manganese concretions. *Annual Meeting of the Clay Minerals Society*, 25-30 Sept. 2011, Lake Tahoe NE.
276. Thomas, E., Foster, L., Hussaini, B., Landman, N., and Schmidt, D., 2011. Foraminifera in 3D. *Geol. Soc. America, Annual Meeting*, Oct. 9-12, 2011, Minneapolis MN
277. Thomas, E., Alegret, L., and Lohmann, K.C., 2011. End-Cretaceous marine Mass Extinction not caused by productivity collapse. *Geol. Soc. America, Annual Meeting*, Oct. 9-12, 2011, Minneapolis MN
278. Hoenisch, B., Ridgwell, A., Thomas, E., Zachos, J. C., and Gibbs, S., 2011. The geological record of ocean acidification. *AGU Fall Meeting*, Dec. 5-9, San Francisco, CA. Abstract nr. OS41C-1 (Invited).
279. Cronin, T. M., Farmer, J., Thomas, E., and Varekamp, J. C., 2011. Rapid Sea-Level Rise during the Mediaeval Climate Anomaly and Little Ice Age. *AGU Fall Meeting*, Dec. 5-9, San Francisco, CA. Abstract nr. GC43D-0969
280. Alegret, L. and Thomas, E., 2012, Rates of Ocean Acidification: The Cretaceous/Paleogene and Paleocene/Eocene boundaries. *The Deep-Sea and Sub-Sea-floor Frontiers Conference (DS3F)*, March 11-14 2012, Sitges (Barcelona), Spain.
281. Thomas, E., and Varekamp, J. C., 2012, Long Island Sound Salt Marshes: Accretion and Relative Sea Level Rise. *Geological Society of America, Abstracts with Programs* 44(2): 117
282. Thomas, E., and Varekamp, J. C., 2012, Sediment Records of the 1938 Great New England Hurricane at Block Island (RI). *Geological Society of America, Abstracts with Programs* 44(2): 74
283. Warren, C. E., Varekamp, J. C. and Thomas, E., 2012, A 4-thousand years Tex86 temperature record for Long Island Sound. *Geological Society of America, Abstracts with Programs* 44(2): 75
284. Warren, C. E., Varekamp, J. C., Thomas, E., and Meyers, S. R., 2012, A 4000 year record of Long Island Sound environments observed through XRF-core scanning. *Geological Society of America, Abstracts with Programs* 44(2): 117
285. Thomas, E., Balestra, B., Monechi, S., Roehl, U., and Morelli, G., 2012. Early Eocene Hyperthermal Event 3 on Walvis Ridge, SE Atlantic Ocean. *The Micropalaeontological Society Foraminifera and Nannofossil Groups Joint Meeting: Interdisciplinary advances in foraminiferal and nannofossil research*, 21-22 June 2012, Edinburgh, Scotland
286. Ortiz, S., and Thomas, E., 2012. Deep-sea turnover during the Ypresian-Lutetian transition, the inception of the Cenozoic global cooling trend. *34th IGC World Congress*, Brisbane, Australia, 5-10 August 2012.

287. Thomas, E., 2012. Agglutinated benthic foraminifera during ocean acidification: what holds them together? *9th International Workshop on Agglutinated Foraminifera*, Sept. 2012, University of Zaragoza, Spain, Grzybowski Foundation Spec. Publ. 18: 95-97.
288. Saltzman, M., and Thomas, E., 2012, Carbon isotope stratigraphy in the geologic time scale 2012. *GSA Abstract with Programs* 44 (7): 589.
289. Foster, L. C., Thomas, E., Schmidt, D. N., and Ridgwell, A., 2012. Benthic foraminiferal response to ocean acidification during the Paleocene-Eocene Thermal Maximum. *GSA Abstract with Programs* 44 (7): 442
290. Stassen, P., Thomas, E., and Speijer, R., 2012, Dissecting the Paleocene-Eocene boundary sections along the New Jersey Coastal Plain. *GSA Abstract with Programs* 44 (7): 536
291. Varekamp, J.C., Lefkowitz, J., Thomas, E., Ku, T. C. W., 2012, A tale of two lakes: poisonous fluids that fuel life in the Newberry (OR) Caldera crater lakes. *GSA Abstract with Programs* 44 (7): 315
292. Thomas, E., and Alegret, L., 2012. Rates of Ocean Acidification and decoupling of planktic and benthic extinctions. PP22B-05, 2012 *Fall Meeting, AGU*, San Francisco, Calif., 3-7 Dec.
293. Boscolo-Galazzo, F., Pagani, M., Thomas, E., Giusberti, L., Luciani, V., 2012, The Middle Eocene Climatic Optimum: a multiproxy record of paleoceanographic changes in the South Atlantic (ODP Site 1263). PP31B-2027, 2012 *Fall Meeting, AGU*, San Francisco, Calif., 3-7 Dec.
294. Alegret, L. and Thomas, E., 2013. Deep-sea benthic foraminifera, export productivity and carbonate saturation across the Cretaceous/Paleogene boundary: Southern Ocean Site 690. R. Rocha et al. (eds), *STRATI 2013*, Springer Geology, p. 65-69, doi: 10.1007/978-3-319-04364-7_13
295. Westerhold, T., Roehl, U., Laskar, J., Monechi, S., Raffi, I. Thomas, E. and Zachos, J. C. 2013. The Challenge of a consistent early Paleogene Geochronology. *First International Conference on Stratigraphy*, 1-7 July 2013, Lisbon, Portugal
296. Lu, Z., Thomas, E., Zhou, X., Rickaby, R., and Winguth, A., 2013. I/Ca evidence for upper ocean deoxygenation during the Paleocene-Eocene Thermal Maximum. *Goldschmidt 2013 Conference Abstracts*, 1647.
297. Smart, C. and Thomas, E., 2013. High abundance of early Miocene biserial planktic foraminifera: paleoceanography and evolution. *11th International Conference on Paleoceanography*, 1-6 September 2013, Barcelona-Sitges, Catalonia Spain. (P 328)
298. Greene, S., Paelike, H., Hoogakker, B., Schmidt, D., Thomas, E., and Ridgwell, A., 2013. Towards an updated reconstruction of the Meso-Cenozoic carbonate compensation depth. *11th International Conference on Paleoceanography*, 1-6 September 2013, Barcelona-Sitges, Catalonia Spain (P 294)
299. Arreguin-Rodriguez, G., Alegret, L., and Thomas, E., 2013. Benthic foraminiferal turnover across the ETM3 ('X') event at ODP Site 865 (equatorial Pacific). *11th International Conference on Paleoceanography*, 1-6 September 2013, Barcelona-Sitges, Catalonia Spain. (P 273)
300. Thomas, E., Balestra, B., Monechi, S., Roehl, U., and Morelli, G., 2013. Early Eocene Thermal Maximum 3, Walvis Ridge, SE Atlantic Ocean. *11th International Conference on Paleoceanography*, 1-6 September 2013, Barcelona-Sitges, Catalonia Spain (P 329)

301. Alegret, L. and Thomas, E., 2013. Export productivity and carbonate saturation in the deep sea across the Cretaceous/Paleogene boundary. *11th International Conference on Paleoceanography*, 1-6 September 2013, Barcelona-Sitges, Catalonia Spain (P-272)
302. Paytan, A., Ma, Z., Gray, E., Thomas, E., Murphy, B., and Zachos, J., 2013. The response of the biological pump to carbon cycle perturbations at the Paleocene-Eocene Thermal Maximum. *11th International Conference on Paleoceanography*, 1-6 September 2013, Barcelona-Sitges, Catalonia Spain (P 393)
303. Thomas, E., 2013. Extinction and Survival in the Deep Sea: learning from benthic foraminifera, *11th International Conference on Paleoceanography*, 1-6 September 2013, Barcelona-Sitges, Catalonia Spain; Invited Keynote Speaker (L-016)
304. Penman, D. E., Hoenisch, B., Zeebe, R. E., Thomas, E., and Zachos, J. C., 2013, Boron proxy evidence for ocean acidification during the Paleocene-Eocene Thermal Maximum. *11th International Conference on Paleoceanography*, 1-6 September 2013, Barcelona-Sitges, Catalonia Spain; (P 313)
305. Thomas, E., and Varekamp, J. C., 2013, The Great New England Hurricane (1938) at Block Island (RI). *GSA Abstract with Programs* 45 (7): 531.
306. Caramel, A., Foster, L. C., Schmidt, D., and Thomas, E., 2013, The Science and Art of Foraminifera. *GSA Abstract with Programs* 45 (7): 147.
307. Hönisch, B., Penman, D., Zeebe, R., Zachos, J., and Thomas, E., 2013. Rapid and sustained surface ocean acidification during the Paleocene-Eocene Thermal Maximum. PP23B-1969, 2013 *Fall Meeting, AGU*, San Francisco, Calif., 9-13 Dec.
308. Lu, Z., Thomas, E., and Rickaby, R., 2013, I/Ca in foraminiferal shells as a paleoceanographic proxy. PP43D-02, 2013 *Fall Meeting, AGU*, San Francisco, Calif., 9-13 Dec.
309. Thomas, E., 2013, Biotic Proxies for Ocean Acidification? PP22A-06, 2013 *Fall Meeting, AGU*, San Francisco, Calif., 9-13 Dec.
310. Zhou, X., Thomas, E., Rickaby, R. E. M., Winguth, A. M. E., and Lu, Z., 2014. I/Ca evidence for global ocean deoxygenation during the Paleocene-Eocene Thermal maximum (PETM), *Northeastern Geobiology Symposium 2014*, 29-30 March 2014, Yale University, p. 48
311. Boscolo-Galazzo, F., Thomas, E., and Giusberti, L., 2014, Benthic foraminiferal response to the Middle Eocene Climatic Optimum in the South Atlantic (ODP Site 1263) and central-western Tethys (Alano section, NE Italy): a comparison. *EGU 2014*, session SSP4.4. (EGU2014-10654; B528)
312. Greene, S. E., Ridgwell, A. J., Kirtland Turner, S., Schmidt, D. N., Paelike, H., and Thomas, E., 2014. Long-term stability of the carbonate compensation depth across the late Paleocene-early Eocene warming trend, *Goldschmidt Meeting*, June 8-13, Sacramento, CA
313. Ridgwell, A. J., Greene, S. E., Schmidt, D. N., Thomas, E., Kirtland Turner, S., and Paelike, H., 2014. The CCD in the latest Maastrichtian: implications for global carbon cycle resilience to the K/Pg impact and associated extinctions. *Goldschmidt Meeting*, June 8-13, Sacramento, CA
314. Varekamp, J. C., Lefkowitz, J., and Thomas, E., 2014. The two Newberry Crater Lakes, OR: subaqueous sources of Hg and As. *Goldschmidt Meeting*, June 8-13, Sacramento, CA

315. Varekamp, J. C., Owrang, S. N., Martini, A., Woodruff, J., Thomas, E., Kruge, M. A., 2014. The urban geochemistry of Wethersfield Cove, Hartford, CT. *Goldschmidt Meeting*, June 8-13, Sacramento, CA
316. Thomas, E., Varekamp, J. C., Altabet, M. A., Cooper, S., Sangiorgi, F., and Donders, T., 2014. The Human Footprint on Long Island Sound, an Urban Estuary. *Goldschmidt Meeting*, June 8-13, Sacramento, CA
317. Penman, D. E., Hoenisch, B., Thomas, E., Zeebe, R. E., Kelly, D. C., and Zachos, J. C., 2014. Boron proxy constraints on the magnitude of surface ocean acidification during the Paleocene-Eocene Thermal Maximum. *Climatic and Biotic Events of the Paleogene 2014*, Ferrara, Italy, July 1-6, 2014. *Rendiconti della Societa Geologica Italiana*, 31, 173-174, doi: 10.3301/ROL.2014.106
318. Zhou, X., Thomas, E., Rickaby, R., Winguth, A., and Lu, Z., 2014. I/Ca in planktic foraminifera: evidence for upper ocean deoxygenation during the Paleocene/Eocene Thermal Maximum. *Climatic and Biotic Events of the Paleogene 2014*, Ferrara, Italy, July 1-6, 2014. *Rendiconti della Societa Geologica Italiana*, 31, 236-237, doi: 10.3301/ROL.2014.139
319. Boscolo-Galazzo, F., Thomas, E., Pagani, M., Warren, C., Giusberti, L., and Luciani, V., 2014. Warming, pelagic food webs and deep-sea biota across the Middle Eocene Climatic Optimum in the SE Atlantic (ODP Site 1263). *Climatic and Biotic Events of the Paleogene 2014*, Ferrara, Italy, July 1-6, 2014. *Rendiconti della Societa Geologica Italiana*, 31, 36-37, doi: 10.3301/ROL.2014.33
320. Arreguin-Rodriguez, G., Alegret, L., and Thomas, E., 2014. Response of benthic foraminiferal assemblages to early Eocene hyperthermal events. *Climatic and Biotic Events of the Paleogene 2014*, Ferrara, Italy, July 1-6, 2014. *Rendiconti della Societa Geologica Italiana*, 31, 15-16, doi: 10.3301/ROL.2014.22.
321. Jennions, S. M., Thomas, E., Schmidt, D. N., Ridgwell, A. and Lunt, D., 2014. Eocene Thermal Maximum 2: benthic ecosystems and ocean circulation in the SE Atlantic Ocean. *Climatic and Biotic Events of the Paleogene 2014*, Ferrara, Italy, July 1-6, 2014, *Rendiconti della Societa Geologica Italiana*, 31, 121-122, doi: 10.3301/ROL.2014.78
322. Greene, S. E., Ridgwell, A., Schmidt, D. N., Kirtland-Turner, S., Paelike, H., and Thomas, E., 2014. Long-term behavior of the Carbonate Compensation Depth across early Paleogene warming. *Climatic and Biotic Events of the Paleogene 2014*, Ferrara, Italy, July 1-6, 2014, *Rendiconti della Societa Geologica Italiana*, 31, 89-90, doi: 10.3301/ROL.2014.61
323. Gutjahr, M., Sexton, P. F., Anagnostaou, E., Pearson, P. N., Paelike, H., Norris, R. D., Thomas, E., and Foster, G. L., 2014, Surface ocean acidification, recovery and atmospheric pCO₂ during the PETM recorded in a North Atlantic high resolution record. *GeoFrankfurt Meeting: Earth System Dynamics*, 21-24 September 2014, Frankfurt, Germany.
324. Thomas, E., 2014. A tale of two boundaries: beginning and end of the Paleocene. Invited. *GSA Abstracts/Programs* 46 (6): 275.
325. Zhou, X., Thomas, E., Rickaby, R., Winguth, A., and Lu, Z., 2014. Expanded ocean minimum zones in the oceans during the Paleocene/Eocene Thermal Maximum indicated by I/Ca in planktic foraminifera. *GSA Abstracts/Programs* 46 (6): 580.
326. Mahmood, S., Hussaini, B., Hasiuk, F., Schmidt, D. N., and Thomas, E., 2014. Microfossils in 3D: scans, 3D pdfs, 3D printing. *GSA Abstracts/Programs* 46 (6): 541.

327. De Mello, R., Leckie, M., and Thomas, E., 2014. South Atlantic Paleocene-Eocene benthic foraminiferal taxonomy. *GSA Abstracts/Programs* 46 (6): 326.
328. Hussaini, B. M., Scalbom, L., Landman, N. H., O'Leary, R., Jurgieliwicz, L., and Thomas, E., 2014. The conservation and digitization of the microfossil collection at the American Museum of Natural History, *GSA Abstracts/Programs* 46 (6): 541.
329. Mego Velo, M., Meehan, K. C., Landman, N. H., and Thomas, E., 2014. Foraminifera of ancient methane cold seeps as paleodepth indicators in the Pierre shale, South Dakota. *GSA Abstracts/Programs* 46 (6): 539.
330. Boscolo-Galazzo, F., Thomas, E., Pagani, M., Warren, C., Luciani, V., and Giusberti, L., 2014. Temperature-metabolism linkage and the effects on marine biota: evidence across the Middle Eocene Climatic Optimum in the South-East Atlantic. *AGU Fall Meeting*, Dec. 15-19, San Francisco, CA, PP11A-1329
331. Bachan, A., Payne, J. L., Saltzmann, M. R., Thomas, E., and Kump, L., 2014. Statistical signal analysis of the Phanerozoic $\delta^{13}\text{C}$ curve: implications for Earth system evolution. *AGU Fall Meeting*, Dec. 15-19, San Francisco, CA. PP43E-02.
332. Greene, S. E., Ridgwell, A. J., Kirtland Turner, S., Schmidt, D. N., Paelike, H., and Thomas, E., 2014. Rethinking controls on the long-term Cenozoic carbonate compensation depth: case studies across late Paleocene to early Eocene warming and late Eocene to early Oligocene cooling. *AGU Fall Meeting*, Dec. 15-19, San Francisco, CA. PP41C-1407
333. Jennings, D. L., Hasiuk, F. J., Thomas, E., and Varekamp, J., 2014. Foram-Farming in the Mid-Continent: culturing low Mg benthic forams to calibrate the Mg/Ca paleothermometer. *AGU Fall Meeting*, Dec. 15-19, San Francisco, CA. B41B-0022
334. Alegret, L., and Thomas, E., 2014. Depth-transect across the Cretaceous/Paleogene Boundary in the SE Atlantic Ocean: New Insights from the Benthic Foraminiferal Record. *AGU Fall Meeting*, Dec. 15-19, San Francisco, CA. PP51B-1133
335. Henehan, M. J., Hull, P. M., Planavsky, N. J., Huber, B. T., and Thomas, E., 2014. Investigating Carbon System Perturbations across the Cretaceous-Palaeogene Transition using Boron Isotopes in Planktonic Foraminifera. *AGU Fall Meeting*, Dec. 15-19, San Francisco, CA PP51B-1122.
336. Thomas, E., Alegret, L., Schmidt, D. N., and Ridgwell, A., 2014. Invited. The Marine Carbon Cycle After the Extinction at the End of the Cretaceous. *AGU Fall Meeting*, Dec. 15-19, San Francisco, CA. PP54B-4.
337. Gutjahr, M., Sexton, P. F., Ridgwell, A. J., Anagnostou, E., Pearson, P. N., Paelike, H., Norris, R. D., and Thomas, E., and Foster, G., 2014. Response and recovery of surface ocean carbonate chemistry in the Mid-latitude North Atlantic during the PETM. *AGU Fall Meeting*, Dec. 15-19, San Francisco, CA. PP54B-07
338. Bordiga, M., Henderiks, J., Tori, F., Monechi, S., Fenero, R., and Thomas, E., 2015, Eocene-Oligocene shifts in calcareous nannofossil assemblages at ODP Site 1263 (Walvis Ridge, Atlantic Ocean), *15th international Nannoplankton Association Meeting*, Bohol, Phillipines, March 7-16, 2015; poster March 11.
339. Chiang, M.-T., Thomas, E., Wei, K.-Y., Lin, S.-S., Lin, S., Lin, A. T.-S., 2015, Diversity and Characteristics of Benthic Foraminifera in Cold Seep Aras in the Active Margin of the northeastern South China Sea. *Geophys. Res. Abstracts*, v. 17, EGU2015-2380-1, 2015

340. Varekamp, J. C., and Thomas, E., 2015, The twin crater lakes of Newberry caldera, OR. *6th International Limnogeology Congress*, June 15-19, 2015, Reno-Tahoe (NV, USA).
341. Henehan, M. J., Hull, P. M., Planavsky, N. J., and Thomas, E., 2015, Between a rock and a hard place: the history of Palaeocene ocean pH. *2015 Goldschmidt Conference*, August 16-21, Prague, CZ, 1235.
342. Gutjahr, M., Sexton, P. F., Ridgwell, A., Anagnostou, E., Pearson, P. N., Paelike, H., Norris, R. D., Thomas, E., and Foster, G. L., 2015. Source and magnitude of carbon release associated with the PETM. *2015 Goldschmidt Conference*, August 16-21, Prague, CZ, 1233.
343. Varekamp, J. C., Capece, L., and Thomas, E., 2015. Carbon cycling in two volcanic lakes fed by geothermal fluids: photosynthetic sequestration and diffusive CO₂ escape. *GSA Annual meeting*, Nov, 1-4, 2015, Baltimore MD
344. Caldwell, S., Capece, L., Chung, A., Hanschell, R., Horne, J., Upin, H. E., Thomas, E., and Varekamp, J. C., 2015, The twin crater lakes of Newberry Volcano, OR. *GSA Annual meeting*, Nov, 1-4, 2015, Baltimore MD
345. Thomas, E., Balestra, B., Monechi, S., and Röhl, U., 2015, The biotic Response to Early Eocene Thermal Maximum 3 at Walvis Ridge, SE Atlantic Ocean. *GSA Annual meeting*, Nov, 1-4, 2015, Baltimore MD
346. Mahmood, S., Thomas, E., Landman, N. H., O'Leary, R., Hussaini, B., 2015. 3D-printing of microfossils. *GSA Annual meeting*, Nov, 1-4, 2015, Baltimore MD
347. Walker, L., Landman, N. H., Thomas, E., O'Leary, R., Hussaini, B., 2015, Workflow for conserving and digitizing historic microfossil collections at the American Museum for Natural History. *GSA Annual meeting*, Nov, 1-4, 2015, Baltimore MD
348. Zhou, X., Thomas, E., Winguth, A. M. E., Ridgwell, A., Scher, H. D., Rickaby, R. E. M., and Lu, Z., 2015. Benthic foraminiferal I/Ca records indicate dysoxia but not anoxia in the late Paleocene-early Eocene oceans. *GSA Annual meeting*, Nov, 1-4, 2015, Baltimore MD
349. Sessa, J., Self-Trail, J., Robinson, M. M. Spivey, W. E., Bralower, T.J., and Thomas, E., 2015. Using the mollusc fauna of the Atlantic Coastal Plain to reconstruct environmental conditions cross the Paleocene-Eocene Thermal Maximum (PETM), *GSA Annual meeting*, Nov, 1-4, 2015, Baltimore MD
350. Thomas, E., Arreguin-Rodriguez, G., Alegret, L., Boscolo-Falazzo, F., and Ortiz, S., 2015. Benthic Foraminifera, Food in the Deep Sea and Limits of Benthic-Pelagic Coupling. *AGU Fall Meeting*, BB22B-06; Dec. 14-18, San Francisco, CA
351. Lu, Z., Zhou, X., Algeo, T., Saltzmann, M., Thomas, E., Jenkyns, H., Rickaby, R., Whalen, M., Gutchess, K., Hardisty, D., and Lyons, T., 2015. A Phanerozoic I/Ca compilation: potential links to ocean oxygenation, carbon cycle and biodiversification. *AGU Fall Meeting*, PP33E-02; Dec. 14-18, San Francisco, CA
352. Bachan, A., Payne, J. L., Saltzmann, M., Thomas, E., and Kump, L., 2015. Understanding oscillations of the geologic carbon cycle. *AGU Fall Meeting*, PP22B-06; Dec. 14-18, San Francisco, CA
353. Henehan, M. J., Hull, P. M., Penman, D. E., Planavsky, N. J., Schmidt, D. N., Rae, J. W. B., Thomas, E., and Huber, B. T., 2015, Cretaceous-Palaeogene experiments in biogeochemical resilience. *AGU Fall Meeting*, PP41B-2237; San Francisco, CA

354. Arreguin-Rodriguez, G. J., Alegret, L., and Thomas, E., 2016. Benthic Foraminifera from an equatorial Pacific seamount during Greenhouse Climate, *GSA 51st annual Northeastern Section Meeting, Albany, NY*, Geological Society of America Abstracts with Programs. Vol. 48, No. 2; doi: 10.1130/abs/2016NE-272099
355. Thomas, E., Mahmood, S., Barnhill, K., Hopkins, M., Towbin, H., Hussaini, B., O'Leary, R., and Landman, N., 2016, Foraminifera in Silico. *12th International Conference on Paleoceanography*. August 29-September 2, Utrecht, The Netherlands.
356. Arreguin-Rodriguez, G. J., Thomas, E., and Alegret, L., 2016. Palaeogeographic distribution of deep-sea benthic foraminifera during the early Eocene. *12th International Conference on Paleoceanography*. August 29-September 2, Utrecht, The Netherlands. Student poster award.
357. Alegret, L., and Thomas, E., 2016, Tempo and Mode of Environmental Perturbations in the Deep Sea after the Cretaceous/Palaeogene Impact. *12th International Conference on Paleoceanography*. August 29-September 2, Utrecht, The Netherlands.
358. Lewis, A., Griffith, E. M., Thomas, E., and Winguth, A., 2016. Export production and remineralization over Eocene hyperthermals at ODP Site1263, Walvis Ridge, Southeast Atlantic. *12th International Conference on Paleoceanography*. August 29-September 2, Utrecht, The Netherlands.
359. Henehan, M. J., Zhang, S., Planavsky, N., Thomas, E., Huber, B. T., and Hull, P. M., 2016. How strange was the Strangelove Ocean? *12th International Conference on Paleoceanography*. August 29-September 2, Utrecht, The Netherlands.
360. Gutjahr, M., Ridgwell, A., Sexton, P. F., Anagnostou, E., Pearson, P. N., Paelike, H., Norris, R. D., Thomas, E., and Foster, G. L., 2016, A large and mostly volcanic source drove the Paleocene-Eocene Thermal Maximum. *12th International Conference on Paleoceanography*. August 29-September 2, Utrecht, The Netherlands.
361. Sessa, J. A., Janssen, A. W., and Thomas, E., 2016, Pteropods in the New Jersey Paleocene Eocene Thermal Maximum (PETM). *12th International Conference on Paleoceanography*. August 29-September 2, Utrecht, The Netherlands.
362. Lu, Z., Hoogakker, B., Hillenbrand, C.-D., Zhou, X., Thomas, E., Gutchess, K. M., Lu, W., Jones, L., and Rickaby, R. E. M., 2016. Oxygen depletion recorded in upper waters of the glacial Southern Ocean. *12th International Conference on Paleoceanography*. August 29-September 2, Utrecht, The Netherlands
363. Greene, S., Ridgwell, A., Schmidt, D., Thomas, E., and Kirtland-Turner, S., 2016, Carbonate compensation in the uppermost Maastrichtian (Cretaceous): the apparent paradox of shallow deep sea carbonate compensation in warm palaeoclimates. *12th International Conference on Paleoceanography*. August 29-September 2, Utrecht, The Netherlands.
364. Barnhill, K., Towbin, H., Hopkins, M., Thomas, E., O'Leary, R., Landman, N., and Hussaini, B., 2016, 3D imaging of Foraminifera: rates of growth. *Annual Meeting GSA*, 25-28 September 2016, Denver CO.
365. Sessa, J. A., Thomas, E., and Janssen, A. W., 2016. Pteropods in the New Jersey Paleocene-Eocene Thermal Maximum. *Annual Meeting GSA*, 25-28 September 2016, Denver CO.

366. Bachan, A., Lau, K. V., Saltzmann, M., Thomas, E., Kump, L. R., and Payne, J. L., 2016. A model for the decrease in amplitude of carbon isotope excursions across the Phanerozoic. *Annual Meeting GSA*, 25-28 September 2016, Denver CO.
367. Alegret, L., Arreguin-Rodriguez, G., and Thomas, E., 2016. The benthic foraminiferal record of rapid climate change in the Paleogene. *Annual Meeting GSA*, 25-28 September 2016, Denver CO.
368. Shaw, J. O., Hull, P. M., d'Haenens, S., and Thomas, E., 2016, Symbiont bleaching in planktonic foraminifera during early Eocene hyperthermal events. *Annual Meeting GSA*, 25-28 September 2016, Denver CO.
369. Thomas, E., 2016 (invited). The world according to benthic foraminifera. *The Micropalaeontological Society, Annual General Meeting*, Lille, France, Nov. 17-18.
370. Bachan, A., Lau, K. V., Saltzmann, M., Thomas, E., Kump, L. R., and Payne, J. L., 2016. A model for the decrease in amplitude of carbon isotope excursions across the Phanerozoic. *Fall Meeting, AGU*, abstract PP53E-02
371. Henehan, M., Ridgwell, A., Thomas, E., Zhang, S., Planavsky, N., Alegret, L., Schmidt, D. N., Rae, J. W. B., Foster, G. L., Huber, B. T., and Hull, P. M., 2016. How Strange was the Strangelove Ocean? *Fall Meeting, AGU*, abstract PP41F-04.
372. Thomas, E., 2016. Deep-Sea Benthic Foraminifera in the SE Atlantic across Eocene Hyperthermal Events. *Fall Meeting, AGU*, abstract PP53A-2361.
373. Pérez, L. F., Hernández-Molina, F. J., Larter, R.D., Thomas, E., Eagles, G., Bohoyo, F., Lodolo, E., Chuang Xuan, X., Dalziel, I. W. D., Stow¹, D. A. V., Escutia, C., Biddle, J., Sijp, W., Harwood, D., and Tassone, D. A., Drake-Scotia Sea Gateways: onset and evolution of the Drake Passage and Scotia Sea, implications for global ocean circulation and climate. *Australasian IODP Regional Planning Workshop*, June 13-16, 2017, Sydney, Australia.
374. Alegret, L., Arreguin-Rodriguez, G., and Thomas, E., 2017. Resilience of benthic foraminifera across Paleogene warming events. 'Life in a Changing Ocean: *TMS Foraminifera and Nannofossil Meeting*, June 19th-21st, Birmingham, UK
375. Saunders, D. Schmidt, D. N., and Thomas, E., 2017. Strategies in times of crisis. 'Life in a Changing Ocean: *TMS Foraminifera and Nannofossil Meeting*, June 19th-21st, Birmingham, UK
376. Martini, A., Woodruff, J., Owrang, S., Thomas, E., Kruge, M., and Varekamp, J. C., 2017, Mercury Pollution in Connecticut River coves: a point source near Hartford, CT. *13th International Conference on Mercury as a Global Pollutant*, July 16-21, 2017, Providence, RI.
377. Thomas, E., Tartell, P., Brumberg, H., Reynolds, R., Mulder, G., and Varekamp, J. C., 2017, The twin crater lakes of Newberry Volcano: analogs of ancient environments? *IAVCEI*, PE43C-111; 14-18 August 2017, Portland, OR.
378. Super, J., Pagani, M., Thomas, E., and Hill, P., 2017, A North Atlantic Tex₈₆ and Uk' ³⁷ Sea Surface Temperature Transect across the Middle Miocene Climatic Optimum, *Goldschmidt Conference*, 17b/16:00, Tu; 13-18 August 2017, Paris, France.
379. Lewis, A., Griffith, E. M., Thomas, E., and Winguth, A., 2017. Export production and remineralization over Eocene hyperthermals at ODP Site 1263, Wavis Ridge, Southeast Atlantic, and ODP Site 1209, Shatsky Rise, Pacific Ocean. *Climatic and Biotic Events of the Paleogene*, Sept. 4-7 2017, Snowbird, UT.

380. Sessa, J. A., Bralower, T. J., Janssen, A. W., Robinson, M. M., Thomas, E., and Self-Trail, J. M., 2017. The Paleocene Eocene Thermal Maximum (PETM) mollusk fauna of the Atlantic Coastal Plain, USA. *Climatic and Biotic Events of the Paleogene*, Sept. 4-7 2017, Snowbird, UT.
381. Arreguin-Rodriguez, G. J., Thomas, E., d'Haenens, S., Speijer, R. P., and Alegret, L., 2017, Analysis of early Eocene deep-sea benthic foraminifera. *Climatic and Biotic Events of the Paleogene*, Sept. 4-7 2017, Snowbird, UT.
382. Arreguin-Rodriguez, G. J., Barnet, J., Leng, M., Littler, K., Kroon, D., Thomas, E., and Alegret, L., 2017. Faunal response to a potential hyperthermal event: benthic foraminifera at ODP Site 1262 across the Dan-C2 event. *Climatic and Biotic Events of the Paleogene*, Sept. 4-7 2017, Snowbird, UT.
383. Stassen, P., Thomas, E., and Speijer, R. P., 2017. Shelf dynamics during the PETM along the New Jersey Coastal Plain. *Climatic and Biotic Events of the Paleogene*, Sept. 4-7 2017, Snowbird, UT.
384. Thomas, E., 2017. Variability of the Benthic Foraminiferal Response to Paleogene Hyperthermal Events. *Climatic and Biotic Events of the Paleogene*, Sept. 4-7 2017, Snowbird, UT
385. Saunders, D. Schmidt, D. N., and Thomas, E., 2017. Strategies in times of crisis. Conference: *Hyperthermals - rapid and extreme global warming in our geological past*, September 25-26, The Royal Society, London
386. Takata, H., Itaki, T., Ikehara, K., Khim, B.-K., and Thomas, E., 2017, Correlation between faunal change in deep-sea benthic foraminiferal assemblages and ballasting of particulate organic matter by siliceous plankton. *InterRad*, October 22-27, 2017, Niigata, Japan.
387. McKee, M., Palakarn, S., and Thomas, E., 2017. The Joe Webb Peoples Museum Project at Wesleyan University, Middletown, CT. Geological Society of America *Abstr. Progr.* V. 49, N. 6; doi: 10.1130/abs/2017AM-297769
388. Thomas, E., Bowen, G., Berke, M., Feakins, S., Huber, M., Pearson, P. N., 2017. Tanzania Onshore Paleogene Integrated Coring (TOPIC). Invited. Geological Society of America *Abstr. Progr.* V. 49, N. 6; doi: 10.1130/abs/2017AM-300888
389. Shaw, J. O., d'Haenens, S., Thomas, E., and Hull, P. M., 2017. Planktonic foraminiferal bleaching during early Eocene hyperthermal events. Geological Society of America *Abstr. Progr.* V. 49, N. 6 doi: 10.1130/abs/2017AM-306765
390. Lewis, A., Griffith, E. M., Thomas, E., and Winguth, A., 2017. Marine Export Production and Remineralization during early Eocene hyperthermal events. AGU Annual Meeting, Dec. 11-15, New Orleans, LA, USA, PP23B-1315.
391. Lu, W., Hoogakker, B., Rathburn, A., Thomas, E., Zhou, X., Rickaby, R., and Lu, Z., 2017 Benthic foraminiferal *Cibicidoides* species from oxygen-depleted Pacific waters: morphology, I/Ca and implications for understanding the glacial ocean. AGU Annual Meeting, Dec. 11-15, New Orleans, LA, USA. PP33B-1329
392. Thomas, E., 2017. Benthic foraminiferal assemblages during Eocene Thermal Maximum 2: variations by geography and depth, AGU Annual Meeting, Dec. 11-15, New Orleans, LA, USA. PP31D-07
393. Bhatia, R., Hugh-Jones, H., Thomas, E., Thomas, A., Yesilyurt, J., Cesar, E., and the V-Factor Volunteers, 2018. How to make the invisible visible: the challenger of public engagement with microfossils. *Conference on Rendering the invisible visible: engaging*

with human ⇔ non-human interconnectedness through Research and Practice,
University College London, UK, 25 May 2018.

394. Stassen, P., Thomas E., and Speijer, R. P., 2018, PETM shelf dynamics along the New Jersey coastal plain. FORAMS 2018, Edinburgh, Abstract Volume, 612.
395. Smart, C. W., and Thomas, E., 2018. Holocene variations in seasonality of productivity in the North Atlantic as reflected in bathyal benthic foraminifera. FORAMS 2018, Edinburgh, Abstract Volume, 588.
396. Smart, C. W., and Thomas, E., 2018. Taxonomy, biostratigraphy and phylogeny of Oligocene *Streptochilus*. FORAMS 2018, Edinburgh, Abstract Volume, 590.
397. Schmidt, D., Authier, E., Sanders, D., Ridgwell, A., and Thomas, E., 2018, Strategies in times of crisis – insights into the benthic foraminiferal record of the PETM. FORAMS 2018, Edinburgh, Abstract Volume, 218.
398. Moura de Mello, R., Leckie, R. M. and Thomas, E., 2018. End Paleocene Benthic Extinction Event: Contrast between the Brazilian Continental Margin and the SW Atlantic Deep Ocean. FORAMS 2018, Edinburgh, Abstract Volume, 137.
399. Takata, H. Kim, H. J., Asahi, H., Thomas, E., Yoo, C. M., Chi, S.-B., and Khim, B.-K., 2018. Correlation between faunal change in deep-sea benthic foraminiferal assemblages and ballasting of particulate organic matter by calcareous/siliceous plankton. FORAMS 2018, Edinburgh, Abstract Volume, 631.
400. Thomas, E., Smart, C. W., Super, J., and Hull, P., 2018. Miocene Biseriate Planktic Foraminifera: Evolution and Environment. FORAMS 2018, Edinburgh, Abstract Volume, 637.
401. Wade B.S., Olsson R.K., Pearson P.N., Huber B.T., Berggren W.A., Spezzaferri S., Coxall H.K., Hernitz Kucenjak M., Premec Fućek V., Leckie R.M., Fraass A.J., King D., Premoli Silva I., Hemleben C., Kucera M., Edgar K.M., Smart C., Thomas E., 2018. The Atlas of Oligocene Planktonic Foraminifera. FORAMS 2018, Edinburgh, Abstract Volume, 671.
402. Gayne, S., Schmidt, D. N., and Thomas, E., 2018, Strategies in times of crisis – the Eocene hyperthermal event 2 (ETM2). FORAMS 2018, Edinburgh, Abstract Volume, 218.
403. O'Brien, C. L., Thomas, E., Huber, M., Pagani, M., Super, J. R., Elder, L. E., and Hull, P. M., 2018. The early icehouse: constraints from Tex86-derived sea surface temperature records. Organic Geochemistry Gordon Research Seminar, The Future of Organic Geochemistry: Advances in Organic Proxies and Analytical Techniques, July 28-29, 2018, Holderness NH.
404. Super, J. R., Thomas, E., Pagani, M., Huber, M., O'Brien, C., and Hull, P. M., 2018. Atlantic Sea Surface Temperature since the Early Miocene. Organic Geochemistry Gordon Research Seminar, The Future of Organic Geochemistry: Advances in Organic Proxies and Analytical Techniques, July 28-29, 2018, Holderness NH.
405. O'Brien, C. L., Super, J. R., Pagani, M., Thomas, E., and Hull, P. M., 2018, Late Oligocene warming: constraints from Tex₈₆-derived sea surface temperature proxy records. Goldschmidt Abstracts, 12-17 August, Boston MA. 8d Tuesday, 14:45-15:00
406. Lu, W., Dickson, A., Rickaby, R., Thomas, E., Lu, Z., 2018. Foraminiferal I/Ca results from the Benguela Upwelling System. Abstracts, 7b. 12-17 August, Boston MA. Friday, 11:15-11:30
407. Super, J. R., O'Brien, C. L., Thomas, E., Huber, M., Pagani, M., and Hull, P. C., 2018. North Atlantic Sea Surface Temperatures since the Early Miocene. Goldschmidt Abstracts, Meeting, 12-17 August, Boston MA. 8d, Poster Tuesday.
408. Wagner, C., Lippert, P., Stassen, P., and Thomas, E., 2018. Magnetofossil, magnetic particle and microfossil assemblages in a subtropical coastal environment:

environmental change across the Paleocene-Eocene Thermal Maximum. 6th

International Meeting on Magnetotactic Bacteria, September 10-14, Kanazawa, Japan.

409. Tan, Y.K., Tan, A., Burke, A. C., and Thomas, E., 2018, Value of Natural History Collections in Liberal Arts Education. ED23E-2082; AGU Fall Meeting, Dec. 10-14, Washington DC.
410. Thomas, E., and Smart, C. W., 2018. Rise from the Benthos into the Plankton: Biserial Foraminifera. PP51B-08; AGU Fall Meeting, Dec. 10-14, Washington DC.
411. Cauley, C., Koetter, S., Smith, C., Sonnenberg, H., Tartell, P., Wagner, S. M., Thomas, E., and Varekamp, J.C., 2018. The chemical evolution of Paulina Lake (Newberry Volcano, OR) waters over the last 3000 year. V43I-3852, AGU Fall Meeting, Dec. 10-14, Washington DC.
412. Wagner, S. M., Varekamp, J. C., Cooke, C. A., Smith, C., Thomas, E., Cauley, C., and Tartell, P., 2018. Volcanic Mercury and CO₂ venting through east Lake, Newberry Volcano, OR. V43I-3851, AGU Fall Meeting, Dec. 10-14, Washington DC, Session V036.
413. Bhatia, R., Hugh-Jones, H., Thomas, E., Thomas, A., Yesilyurt, J., and Cesar, E., 2018. How to make the invisible visible: the challenges of public engagement with microfossils. PA22C-10, AGU Fall Meeting, Dec. 10-14, Washington DC.
414. Varekamp, J. C., Altabet, M. A., Warren, C., and Thomas, E., 2018. The carbon cycle in Long Island Sound. OS41C-1197, AGU Fall Meeting, Dec. 10-14, Washington DC.
415. Griffith, E., Lewis, A., Thomas, E., Westerhold, T., and Winguth, A. M. E., 2018. Export production and remineralization over Eocene hyperthermals at ODP Site 1263, Walvis Ridge, Southeast Atlantic Ocean. PP21D-1369, AGU Fall Meeting, Dec. 10-14, Washington DC, Session PP009.
416. Winguth, A. M., Brown, M., Griffith, E. M., Highlett, T. M., Rothstein, M., Shields, C. A., Thomas, E., and Winguth, C., 2018. Eocene hyperthermal events: a DeepMIP Study with CESM1.2. PP33A-02; AGU Fall Meeting, Dec. 10-14, Washington DC.
417. Super, J. R., O'Brien, C. L., Thomas, E., Huber, M., Pagani, M., and Hull, P., 2018. Caribbean temperature evolution since the early Miocene. PP51E-1551, AGU Fall Meeting, Dec. 10-14, Washington DC,
418. Harper, D., Hönisch, B., Zeebe, R., Thomas, E., and Zachos, J. C., 2018. Surface ocean acidification during Eocene Thermal Maximum 2 (ETM2). PP21D-1373. AGU Fall Meeting, Dec. 10-14, Washington DC.

PAST MSc AND PhD STUDENTS (CO-SUPERVISION):

1. Mark Maslin, Cambridge (UK)-PhD
2. Robert Speijer, Utrecht (Netherlands)-PhD
3. Laia Alegret, Zaragoza (Spain)-PhD
4. Silvia Ortiz, Zaragoza (Spain)-PhD
5. Naira Manoukian, Wesleyan University-MSc
6. Bill Thompson, Wesleyan University-MSc
7. Festo Lugolobi, Wesleyan University-MSc
8. Heather McCarren, UC Santa Cruz -PhD
9. David Naafs, Utrecht (Netherlands)-MSc
10. Lucy Stap, Utrecht (Netherlands)-PhD
11. Raquel Fenero, Zaragoza (Spain)-PhD

12. Rachel Brown, UC Santa Cruz-PhD
13. Peter Stassen, Leuven (Belgium)-PhD
14. Jonathan Ody, Bristol (UK)-MSc
15. Flavia Boscolo-Galazzo (Padova, Italy)-PhD
16. Yi Ge Zhang, Yale (USA)-PhD
17. Liesbeth van Kerckhoven, Auckland (New Zealand)-PhD
18. Renata Maura de Mello (University of Massachusetts, Amherst)- PhD
19. Xiaoli Zhou (Syracuse University)- PhD
20. Simon d'Haenens, Leuven (Belgium)-PhD
21. Gabriela de Jesus Arreguin Rodriguez (Zaragoza, Spain)-PhD
22. David Saunders, MSc, Bristol, UK
23. James Super, PhD, Yale

Present PhD MD MSC students (co-supervision):

1. Janet Burke, PhD, Yale
2. Daniel Gaskell, PhD, Yale
3. Jack Shaw, PhD, Yale
4. Christina Cauley, MSc, Wesleyan

Undergraduate research and student theses (Wesleyan University):

1. Koren Nydick (H)
2. Heather Saffert (H)
3. Alison Bidwell (H)
4. Irina Abramovich (T)
5. Sarah Bowman
6. Polina Rabinovich
7. Bess Thaler
8. Zirah Acosta
9. Maia Groner (H)
10. Conor Veeneman (T)
11. Emma Kravet (H)
12. Sarah Gillig
13. Annie de Boer
14. Audrey Haynes
15. Sandy Yudhistira
16. Alexis Malouta
17. Sarah Lerman-Sinkoff (H)
18. Jared Lefkowitz (H)
19. Rebecca Hanschell
20. Angela Chung
21. Jackie Buskop
22. Andrew Levy (Denison University)
23. Jack Shaw (Lafayette College)
24. Sajirat Palakarn
25. Melissa McKee
26. Yu Kay Tan

27. Andy Tan
28. Miah Tran
29. Wisly Juganda
30. Sabrina Koetter

(H): honors thesis; (T): thesis, not honors