

Curriculum Vitae
ELLEN THOMAS

POSITIONS

2005-present: Senior Research Scientist, Center for Study of Global Change,
Department of Geology and Geophysics, Yale University, New Haven CT, USA
Spring 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, USA
1997-present: Research Professor, Department of Earth and Environmental Sciences,
Wesleyan University, Middletown, CT, USA
1991-2005: Research Affiliate, Center for Study of Global Change, Department of
Geology and Geophysics, Yale University, New Haven CT, USA
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, Cambridge, UK
1990-1992: University Fellow, New Hall College, University of Cambridge,
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. Also at:
Department of Earth and Environmental Sciences, Wesleyan University, 265

Church Street, Middletown CT 05459. Web: <http://ethomas.web.wesleyan.edu>.
Home address: 764 Haddam Quarter Road, Durham, CT 06422-1802, USA;
Telephone: 1-(860) 349-6937. Mobile: 1-(860)-304-4207.

PROFESSIONAL SOCIETIES

American Geophysical Union, British Micropalaeontological Society, Cushman Foundation for Foraminiferal Research, Geological Society of America, Grzybowski Foundation, North American Micropaleontological Society, National Center for Science Education, The Oceanography Society

RESEARCH INTERESTS:

Quantitative studies of ecology and evolution of benthic foraminifera (deep-sea, marginal marine environments), as indicators of global, regional and local environmental changes, in combination with sediment/chemical/isotopic proxies and climate and earth system modeling.

TEACHING EXPERIENCE

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

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

University of Florence, Italy. Paleoceanography (graduate students and 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>); 2005.

Wesleyan University, Middletown, CT, USA: *Graduate Liberal Studies Program:* Oceanography, Environmental Science, History of Life, Evolutionary Theory, Global Change, Macroevolution. *Undergraduate courses:* Oceans and Climate (<http://ethomas.web.wesleyan.edu/ees123>); Marine Ecology; Global Change; History of Life on Earth; Earth's Changing Climate; Macroevolution; Coastal & Estuarine Environments; Life on Planet Earth: Diversity, Evolution and Extinction; Paleobiology and Paleobiology lab (<http://ethomas.web.wesleyan.edu/wescourses/2004s/ees227/01/index.htm>).

Tutoring of students in the Wesleyan McNair program (1993); of Hughes fellows (1995, 2000, 2003), Mellon fellows (2001, 2004, 2008); Program for Increase in Mastery in Mathematics and Sciences (PIMMS; 1998); Keck Consortium, 2008-2009.

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

- Scientific Advisory Board, *Geologica Acta*, 2008-present
- Editor, *Marine Micropaleontology*; 2003-present
- Member *Micropaleontology Press* Board of Advisors, 1999 - present
- Editorial Board *Palaeogeography, Palaeoclimatology, Palaeoecology*, 1998 – present
- Scientific Advisory Committee, *Encyclopedia of Ocean Sciences*, 1999 - 2009
- Editorial Board *Marine Micropaleontology*; 1991- 2003
- 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*. 2001-2003, GSA Special Paper 369.
- 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

- Integrated Ocean Drilling Program (IODP), Member Science and Technology Panel (STP), 2008-2011
- Yale Representative, DOSECC (Drilling, Observation and Sampling of the Earth's Continental Crust, 2009-present
- Member 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-present; Vice President, 2003-2004; President 2004-2005
- Member Scientific Committee for the Meeting on Climate and Biota of the Early Paleogene (CBEP), Wellington, New Zealand, January 2009 (2007-2009).
- US representative, International Geological Correlation Programme 476 "Monsoon evolution and tectonics-climate linkage in East Asia and its marginal seas during the late Cenozoic", 2004-2007
- Member Biogeology Centre Funding Panel, NWO Council for Earth and Life Sciences (Netherlands), 2004-2008; annual budget ~ €1.5M
- Member 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
- Member of Scientific Committee, NSF, to evaluate the ANDRILL proposal (ANDRILL: Investigating Antarctica's Role in Cenozoic Environmental Change), budget \$14M, 2003.
- Educational Steering Committee of USSAC 2002-2003
- Panel to select awardees of the 'Spinoza Award' (annual budget ~ €4.5-6.0M), Netherlands, 2000-2003
- Member, 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

STATISTICS:

h-factor 30; refereed publications 99; other publications 34; abstracts 240; citations > 4000

AWARDS/HONORS

- **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' Thomson Reuters Scientific's Essential Science Indicators identifies it as of the most highly cited papers in Geosciences.
<http://sciencewatch.com/dr/cc/08-octcc/>
- **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: \$10,000.-
- **1995:** Editor's Citation for Excellence in Refereeing, *Paleoceanography*

GRANTS

- **Yale Climate and Energy Institute:** *Global Warming Impacts on Connecticut Salt Marsh Ecosystems*; M. Smith, P. Raymond, K. Seto, and E. Thomas. 2010-2012, \$99,723.-.
- **NSF:** 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. OCE 0902959
- **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)
- **NSF:** *The Cretaceous/Tertiary Boundary: deep-sea benthic foraminifera and the oceanic carbon cycle*; August 1 2007- 31 July 2010, \$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 postcruise funding, \$50,109.-, 2003-2006
- **NSF:** *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.-; Thomas 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)
- **Long Island Sound Study** (EPA-Sea Grant): *Environmental Change in Long Island Sound over the last 400 years*: \$75,909.- (2000-2003)
- **Connecticut Sea Grant:** *The Long Island Sound Paleo-Environment Program: Connecting Past and Present* (2000-2003): \$58,000.-
- **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.
- **Connecticut Sea Grant** (1997-1999): *How salt marshes grow*: \$57,000.-
- 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
- **Connecticut Sea Grant** (1994-1996): \$56,000.-
- **NOAA** Global Change Program (1992-1994): \$109,620
- **NSF-USSAC** Grant (ODP Leg 113; 1987-1988): \$36,724
- **Connecticut Sea Grant**, coastal salt marsh studies (1992-1994): \$38,000
- **Connecticut Sea Grant**, coastal salt marsh studies (1990-1991): \$19,000

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 Série, 2: 1281-1285
3. Thomas, E., 1980. The development of *Uvigerina* in the Cretan Mio-Pliocene. *Utrecht Micropaleontological Bulletin*, 23 (168 pp.)
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
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
7. Thomas, E., and Buseck, P. R., 1983. Characterization of the aerosol at a rural location in eastern Arizona. *Atmospheric Environment*, 17: 2299-2301
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
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
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
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
12. Thomas, E., 1986. Changes in composition of Neogene benthic foraminiferal faunas in equatorial Pacific and north Atlantic. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 53: 47-61
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
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*, 91: 12,233-12,248
15. Thomas, E., 1987. Late Oligocene to Recent benthic foraminifera from DSDP Sites 608 and 610, northeastern Atlantic Ocean. *Initial Reports Deep Sea Drilling Project*, 94: 997-1032
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
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
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
 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
 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
 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
 23. Thomas, E., 1990. Late Cretaceous through Neogene deep-sea benthic foraminifers (Maud Rise, Weddell Sea, Antarctica). *Proceedings ODP, Scientific Results*, **113**: 571-594
 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
 25. Thomas, E., 1990. Late Cretaceous-early Eocene mass extinctions in the deep sea. *Geological Society of America Special Publication*, **247**, 481- 495.
 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
 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
 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
 29. Thomas, E., 1992. Cenozoic deep-sea circulation: evidence from deep-sea benthic foraminifera. *AGU Antarctic Research Series*, **56**: 141-165
 30. Eldholm, E., and Thomas, E., 1993. Environmental impact of volcanic margin formation. *Earth and Planetary Science Letters*, **117**: 319-329
 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
 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
 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
 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

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
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
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
38. Thomas, E., and Gooday, A. J., 1996, Deep-sea benthic foraminifera: tracers for Cenozoic changes in oceanic productivity? *Geology*, **24**: 355-358
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
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
41. Maslin, M. A., Hall, M. A., Shackleton, N. J., and Thomas, E., 1996, Calculating surface-water pCO₂ from foraminiferal organic $\delta^{13}\text{C}$, *Geochimica Cosmochimica Acta*, **60**: 5089-5100
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
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
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
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.
47. Varekamp, J.C. and Thomas, E., 1998, Volcanic and anthropogenic contributions to global weathering budgets. *Journal of Geochemical Exploration*, **62**: 149-159
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

51. Adams, J. A., Maslin, M. A., and Thomas, E., 1999, Sudden climate transitions during the Quaternary. *Progress in Physical Geography*, **23**: 1-36
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*, **38**: 119-147.
54. Thomas, E., Gapotchenko, T., Varekamp, J. C., Mecray, 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.
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.
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.
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.
58. Thomas, E., 2001. Paleooceanography: Overview. *Encyclopedia of Ocean Sciences*, J. H. Steele, S. A. Thorpe and 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
60. Alegret, L., and Thomas, E., 2001. Upper Cretaceous and lower Paleogene benthic Foraminifera from northeastern Mexico. *Micropaleontology*, **47**: 269-316.
61. Alegret, L., I. Arenillas, I., Arz, A., Liesa, C., Meléndez, A., Molina E., Soria, A. R., and E. Thomas, E., 2002. The Cretaceous/Tertiary boundary: sedimentology and micropalaeontology at El Mulato section, NE Mexico, *Terra Nova*, **14**: 330-336.
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
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
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
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
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., Dick 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.1109004
 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 Chrono-stratigraphy across the Ypresian-Lutetian transition at Fortuna section (Betic Cordillera, Spain). *Newsletters in Stratigraphy*, **42**: 23-41.
 79. Thomas, E., Brinkhuis, H., Huber, M., and Röhl, U., 2006. An ocean view of the early Cenozoic Greenhouse World. *Oceanography (Special Volume on Ocean Drilling)*, **19**: 63-72
 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: Paleooceanographic 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. Paleooceanographical proxies based on deep-sea benthic foraminiferal assemblage characteristics. In: *Proxies in Late Cenozoic Paleooceanography: 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). *Geochim., Geophys., Geosyst.*, **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. Griffin, 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. *Proc. Nat. Acad. Sci.*, 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. W., Sabaa, A. T., Thomas, E., Nomura, R., Kawagata, S., Schröder-Adams, C., Gupta, A. K., Johnson, K., in press. 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*,
101. Hayward, B., Johnson, K., Sabaa, A. T., Kawagata, S., and Thomas, E., in press. Cenozoic record of elongate, cylindrical deep-sea benthic Foraminifera in the North Atlantic and equatorial Pacific Oceans. *Marine Micropaleontology*

SUBMITTED/IN REVISION:

1. Griffith, E. M., Paytan, A., Eisenhauer, A., Bullen, T. D., and Thomas, E., Seawater calcium isotopic ratios across the Eocene-Oligocene Transition. Submitted to *Nature Geosciences*.
2. Stap L., Lourens, L. J., Thomas, E., Sluijs, A., Bohaty S., and Zachos, J. C., Paleocene-Eocene Thermal Maximum and Eocene Thermal Maximum 2 are initiated by a congruent carbon source. In revision, *Geology*
3. Ridgwell, A., Thomas, E., Alegret, L., and Schmidt, D., A persistent biological pump during the earliest Palaeogene. Submitted to *Nature*

MANUSCRIPTS CLOSE TO COMPLETION:

1. Varekamp, J. C., Thomas, E., and Lewis, R. The early history of Long Island Sound. To be submitted to *Geology*,
2. Naafs, B.D.A, Stap, H.L., Thomas, E., Lourens, L., Reichart, G.J. and Hodell, D.A., 2008. Integrated oxygen isotope and Mg/Ca analysis of benthic foraminiferal species: the last 30 Ma. To be submitted to *Paleoceanography*.
3. Griffin, E., Calhoun, M., Thomas, E., Erhardt, A., Averyt, K., Bralower, T., Lyle, M., Lyle, A., Paytan, A., Fluctuations in Export Productivity and Carbonate Accumulation at the Transition from Greenhouse to Icehouse Climate (Mid Eocene to Early Oligocene) across the Pacific Basin, and their Relation to Climate and Circulation Changes. To be submitted to *Paleoceanography*

REVIEWS, DATA REPORTS, etc.

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: Paleooceanography 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., 1991. 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 Paleooceanography 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 Paleooceanographic 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
30. Varekamp, J. C., Altabet, M. Thomas, E., Ten Brink, M., Andersen, N., and Mecray, 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, p. 144-147.

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 Paleoceanography Meeting*, Woods Hole, MA
16. Thomas, E., 1986. Deep-sea benthic foraminifera in the Pacific lower to middle Miocene. *Second International Paleoceanography 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 Progr. Abstr.*, 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., M. Lara-Whepley, 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., Scholander, S. J., and Varekamp, J. C., 1993. Accelerated sea level rise over the last 200 years? *GSA Annual Meeting*, October 1993
53. Thomas, E., Varekamp, J. C., Scholander, 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 Paleooceanographic 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. 2003
142. 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
143. 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.
144. 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.
145. 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.

146. 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
147. 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
148. 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
149. 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
150. 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
151. Thomas, E., and Barker, P. F., 2003, Onset and Development of the Antarctic Circumpolar Current. GSA Annual Meeting, Abstracts, 35 (6): 239-4
152. 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
153. 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
154. 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
155. 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.
156. 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
157. 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
158. 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
159. 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
160. 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.

161. 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
162. 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.
163. 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.
164. 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.
165. 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.
166. 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
167. 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.
168. 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.
169. 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.
170. 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
171. 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
172. 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
173. 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
174. 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.

175. 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
176. Thomas, E., Varekamp, J. C., Cooper, S., and Sangiorgio, 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.
177. 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.
178. 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.
179. 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.
180. Thomas, E., and McCarren, H., 2005. Benthic Foraminifera and early Eocene Hyperthermal Events (SE Atlantic Ocean). *GSA Annual Meeting, Abstracts 37* (7), p. 413.
181. 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
182. 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.
183. 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*)
184. 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.
185. 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
186. 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.
187. 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.
188. Thomas, E., Roehl, U., Monechi, S., Westerhold, T., Basletra, 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.

189. 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.
190. 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.
191. 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
192. 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
193. 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.
194. Smart, C. W., and Thomas, E., 2006. Enigmatic early Miocene biserial foraminifera. FORAMS 2006, *Anuário do Instituto de Geociências*, **29** (1), 631-632.
195. 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
196. 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
197. Thomas, E., Varekamp, J. C., and Avenier, E., 2006. Multiproxy records of eutrophication in Long Island Sound. *GSA Annual Meeting, Abstracts with Programs*, 38 (7), 323
198. 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
199. 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.
200. 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
201. Varekamp, J. C., Thomas, E., Buchholtz ten Brink, M. , and Mecray, 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.
202. 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
203. 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

204. 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
205. 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.
206. 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
207. Stap, L., Lourens, L., Thomas, E., Reichart, 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
208. 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.
209. 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.
210. 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, p. 96.
211. 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.
212. Thomas, E., 2007. Deep-Sea Benthic Foraminifera: Cold and Warm. *Invited*, *AGU*, 88 (52), Fall Meet. Suppl., Abstract OS14A-06
213. Thomas, E., and Varekamp, J. C., 2007. The Flooding of Long Island Sound. *AGU*, 88 (52), Fall Meet. Suppl., Abstract PP13B-1277
214. Barker, P., Escutia, C., Filippelli, 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*.
215. Naafs, B.D.A, Stap, H.L., Thomas, E., Lourens, L., Reichart, 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*.
216. 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*.
217. 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.
218. 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.

219. 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
220. 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.
221. Varekamp, J. C., Thomas, E., and Lewis, R. S., 2008. The Formation and Evolution of Long Island Sound. *GSA Annual Meeting*, 282-3.
222. 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.
223. 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.
224. 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.
225. 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
226. 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
227. 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)
228. 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
229. 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.
230. 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
231. 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.
232. 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).
233. 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
234. 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
235. 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.
 236. 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.
 237. 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).
 238. 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).
 239. Griffin, 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
 240. 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
 241. 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
 242. Thomas, E., Varekamp, J. C., 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. Joint Section Meeting GSA, Northeastern/Southeastern, Baltimore MD, 14-16 March 2010.
 243. Thomas, E., Varekamp, J. C., Cooper, S., Sangiorgi, F., Donders, T., 2010. Microfossil proxies for anthropogenic environmental changes in Long Island Sound. Joint Section Meeting GSA, Northeastern/Southeastern, Baltimore MD, 14-16 March 2010.
 244. 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.
 245. Stap, L., Lourens, L., Thomas, E., Sluijs, A., Bohaty, S., and Zachos, J. C., in prep., 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.
 246. Ridgwell, A., Thomas, E., Alegret, L., and Schmidt, D., in prep., Marine carbon cycling followeing end Cretaceous extinction. European Geosciences Union General Assembly, 2-7 May 2010, Vienna, Austria.