

Late Paleocene Early Eocene Biotic And Climatic Events In The Marine And Terrestrial Records

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Bruce Patterson - 2015 Merriam Award**Late Paleocene Early Eocene Biotic**

The transition from the Paleocene to the Eocene Epoch—approximately 55 million years ago—represents a critical moment in the earth's history, when the warmest climatic episode of the Cenozoic era occurred. This sudden global warming resulted in major turnovers among marine and terrestrial organisms.

Late Paleocene-Early Eocene Biotic and Climatic Events in ...

Late Paleocene-Early Eocene Climatic and Biotic Evolution: An Overview William A. Berggren, Spencer Lucas, and Marie-Pierre Aubry The Paleocene/Eocene Epoch/Series Boundary: Chronostratigraphic Framework and Estimated Geochronology 18 William A. Berggren and Marie-Pierre Aubry Stratigraphic (Dis)Continuity and Temporal Resolution of Geological ...

Late Paleocene-Early Eocene Climatic and Biotic Events in ...

Strange Old World - Late Paleocene-Early Eocene Climatic and Biotic Events in the Marine and Terrestrial Record. Edited by Marie-Pierre Aubry, Spencer Lucas, and William Berggren Columbia University Press, New York. 1998. 513 pages. - Volume 25 Issue 3 - William C. Clyde

Strange Old World - Late Paleocene-Early Eocene Climatic ...

Abstract. Late Paleocene and early Eocene hyperthermals are transient warming events associated with massive per-turbations of the global carbon cycle, and are considered partial analogues for current anthropogenic climate change. Because the magnitude of carbon release varied between the events, they are natural experiments ideal for explor-

Scaled biotic disruption during early Eocene global ...

The Paleocene ended with the Paleocene-Eocene thermal maximum, a short period of intense warming and ocean acidification brought about by the release of carbon en masse into the atmosphere and ocean systems, which led to a mass extinction of 30-50% of benthic foraminifera-planktonic species which are used as bioindicators of the health of a marine ecosystem—one of the largest in the Cenozoic.

Paleocene - Wikipedia

na, flora, and climate during the early Clarkforkian. The Clarkforkian Land Mammal Age, approximately the last million years of the Paleocene, was an interval of global warming that had profound biotic consequences. The mammalian fauna of Big Multi Quarry, consisting of 41species,isthemostdiverseknownfromasingleClark-forkian locality.

Portrait of a Late Paleocene (Early Clarkforkian ...

Late Paleocene-Early Eocene Biotic and Climatic Events in the Marine and Terrestrial Records: Aubry, Marie-Pierre, Lucas, Spencer, Berggren, William: Amazon.sg: Books

Late Paleocene-Early Eocene Biotic and Climatic Events in ...

Late Paleocene-Early Eocene Biotic and Climatic Events in the Marine and Terrest: Aubry, Marie-Pierre, Lucas, Spencer, Berggren, William, Aubry Marie-Pierre, Lucas Spencer G and Berggren William A: Amazon.com.au: Books

Late Paleocene-Early Eocene Biotic and Climatic Events in ...

(2009), An early Eocene carbon cycle perturbation at 52.5 Ma in the Southern Alps: Chronology and biotic response, Paleceanography, 24, PA2209, doi:10.1029/2008PA001649. 1. Introduction [2] Deep-sea oxygen isotope records suggest a 7Ma long warming trend from the late Paleocene through the early Eocene (ca. 59-52 Ma) that peaked at the Early

An early Eocene carbon cycle perturbation at ~52.5 Ma in ...

Late Paleocene-Early Eocene Biotic and Climatic Events in the Marine and Terrestrial Records: Amazon.es: Aubrey, Marie-Pierre, Lucas, Spencer G., Berggren, William A.: Libros en idiomas extranjeros

Late Paleocene-Early Eocene Biotic and Climatic Events in ...

The sediments are mapped as the Late Palaeocene-Early Eocene Margaret Formation (=Iceberg Bay Formation), a division of the Eureka Sound Group [22,23], with Eocene sediments cropping out on the southwestern side of the fiord. The coal, sand and silt are part of an ancient swamp, floodplain and upper deltaic mosaic that includes palaeosols, channels and channel fill deposits.

Arctic plant diversity in the Early Eocene greenhouse

Late Paleocene to early Eocene (~56 to 51 Ma) interval is characterized by five distinct transient warm- ing (hyperthermal) events (Paleocene-Eocene thermal maximum (PETM), H1/ETM2/ELMO, H2, I1 and I2) in a super greenhouse globe associated with negative carbon isotope excursions (CIEs).

Late Paleocene-early Eocene carbon isotope stratigraphy ...

The age was determined to be late Paleocene through early Eocene based on calcareous nannoplankton: Zone NP9 was recognized at 27.4 m based on diverse Fasciculithus spp.; the NP9/NP10 zonal boundary was placed at 37.9 m (FO of the genus Rhomboaster); a disconformity was suggested at the top of the NP10 zone at 51.2 m (FO of D. diastypus, D. kuepperi, and T. orthostylus as well as the FO of Sphenolithus radians); and the NP11/NP12 boundary was recognized at 62.9 m (FO of D. lodoensis). The ...

Benthic foraminiferal biotic events related to the ...

Late Maastrichtian to Early Eocene (~67.1-52.35 Ma) from a single site in the South Atlantic Ocean (Ocean Drilling Program [ODP] Site 1262), calibrated to an updated orbitally tuned age model. This record, generated by multiple studies, allows us to examine the evolution of climate and carbon-cycling during this

A Highâ Fidelity Benthic Stable Isotope Record of Late ...

The Paleocene-Eocene Thermal Maximum (PETM), alternatively "Eocene thermal maximum 1" (ETM1), and formerly known as the " Initial Eocene " or " Late Paleocene Thermal Maximum ", was a time period with a more than 5-8 °C global average temperature rise across the event. This climate event occurred at the time boundary of the Paleocene and Eocene geological epochs.