

Leg 198 Table of Contents, updated 2nd PC

PUBLISHED OR SUBMITTED

Bralower, T.J., Premoli Silva, I., Malone, M.J., and Scientific Participants of Leg 198 (2002) New evidence for abrupt climate change in the Cretaceous and Paleogene: an Ocean Drilling Program expedition to Shatsky Rise, northwest Pacific. *GSA Today*, 12:4-10.

Bralower, T.J., Premoli Silva, I., Malone, M.J., and the Leg 198 Scientific Party (2002) ODP Leg 198: new evidence for rapid climate change in the Cretaceous and Paleogene from the Shatsky Rise, northwest Pacific Ocean. *JOIDES J.*, 28(2):13-17.

Brassell, S.C., M. Dumitrescu, and the ODP Leg 198 Shipboard Scientific Party (*accepted*) Recognition of alkenones in lower Aptian porcellanite from the west-central Pacific, *Organic Geochemistry*.

Petrizzo, M.R., (*submitted*) An Early Late Paleocene event on Shatsky Rise, northwest Pacific Ocean (ODP Leg 198): preliminary study of the planktonic foraminiferal assemblage. *Mar. Micropaleontol.*

Zachos, J.C., Wara, M.W., Bohaty, S., Delaney, M.L., Petrizzo, M.R., Brill, A., Bralower, T.J., Premoli Silva, I., (*submitted*) A transient rise in tropical sea surface temperature during the Paleocene-Eocene Thermal Maximum, *Science*.

JOURNALS (43 papers)

Neogene

Title: **Plio-Pleistocene polarity stratigraphy at ODP Sites 1207, 1209, 1210, 1211 and 1212.**

Authors: Evans, Channell, Sager

Title: **Evaluation of Late Miocene to Pleistocene eolian input on Shatsky Rise, Site 1208**

Authors: Gylesjö S. and Arnold, E.

Title: **Late Miocene-Early Pliocene (6-4 Ma) paleoclimatic evolution and cyclostratigraphy—Leg 198 latitude and depth transect**

Authors: (Author order TBD) Leckie, R.M., Arthur, M., Zachos, J., Frank, T., and Röhl, U.

Title: **Quantitative changes of Miocene to Recent radiolarians faunas in the North Pacific (Site 1207, ODP Leg 198)**

Authors: Yoshimura, E., Suzuki, N., Ogane, K., Takeda, K., Kano, H.

Paleogene

Title: **Cyclostratigraphy and magnetostratigraphy of the Paleocene and Eocene on the Southern High, Shatsky Rise**

Authors: Röhl, U., Evans, H., Zachos, J. C., Bralower, T.J., M.R. Petrizzo, I. Premoli Silva

Title: **Paleogene planktonic foraminiferal biostratigraphy and paleoecology of Shatsky Rise with special emphasis on the LPTM and "Ulla" ocean-climate events**

Authors: M.R. Petrizzo, Premoli Silva

Title: **Ultra high-resolution stable isotope and carbonate stratigraphy of the Paleocene/Eocene Boundary on Shatsky Rise.**

Authors: J. Zachos, T. Bralower, D. Thomas

Title: **Evidence for lysocline shoaling and carbonate burn down at the Paleocene-Eocene Thermal Maximum**

Authors: A. Brill, T.J. Bralower, J.C. Zachos

Title: **High-resolution analyses of benthic foraminiferal across the Paleocene/Eocene boundary at Shatsky Rise, Pacific Ocean**

Authors: K. Takeda, K. Kaiho, J. Zachos

Title: **Significant decreases in benthic foraminiferal test size and dissolved-oxygen index at the Paleocene/Eocene boundary at Pacific ODP Sites 1209, 1210, 1211, and 1212**

Authors: K. Kaiho, K. Takeda, M.R. Petrizzo, and J. Zachos

Title: **Causes and consequences of an oceanographic and biotic event in the mid-Paleocene in the Pacific (Shatsky Rise)**

Authors: Röhl, U., Bralower, T. J., Petrizzo, M.R., Zachos, J. C., Thomas, D.

Title: **The role of deep-sea circulation in the mid-Paleocene biotic event at Shatsky Rise, ODP Leg 198**

Author: D.J. Thomas, U. Röhl

Title: **Nd isotopic reconstructions of Late Cretaceous-early Paleogene central Pacific deep water circulation**

Author: D.J. Thomas

Title: **Origins and evolution of Palaeocene nannolith groups (fasciculiths, sphenoliths, helioliths and discoasters).**

Authors: Paul Bown, Tim Bralower

Title: **Paleogene Mg/Ca paleotemperature record from Shatsky Rise**

Authors: A. Dutton, K.C. Lohmann

Cretaceous

Title: **Stable isotopes and carbonate geochemistry across the Cretaceous/Tertiary boundary in a depth transect on Shatsky Rise**

Authors: Arthur, M., Bown, P., Premoli Silva, I.

Title: **Planktonic foraminiferal extinction and recovery patterns across the Cretaceous/Tertiary boundary.**

Authors: Premoli Silva I. and Petrizzo M.R.

Title: **Benthic foraminiferal test size and dissolved-oxygen index across the Cretaceous/Tertiary boundary at Shatsky Rise, Pacific Ocean**

Authors: K. Kaiho, K. Takeda

Title: **High-resolution analyses of benthic foraminiferal across the Cretaceous/Tertiary boundary at Shatsky Rise, Pacific Ocean**

Authors: K. Takeda, K. Kaiho

Title: **Nannofossil extinction and recovery patterns from Shatsky Rise Cretaceous/Tertiary boundary sections.**

Authors: Paul Bown and Tim Bralower

Title: **Upper Cretaceous calcareous nannofossil biostratigraphy from Shatsky Rise.**

Authors: Paul Bown, Tim Bralower

Title: **Mid-Maastrichtian Event in the central Pacific**

Authors: T. Frank, M. Arthur, M. Leckie, D. Thomas, P. Bown

Title: **Late Cretaceous planktonic foraminiferal biostratigraphy and paleoecology of Shatsky Rise with special emphasis on tropical-austral correlations**

Authors: M. Leckie, M.R. Petrizzo and I. Premoli Silva

Title: **Patterns of Late Cretaceous climate change in the Pacific Ocean based on calcareous nannoplankton paleobiogeography**

Author: J. Lees

Title: **Stable isotope paleoecology of mid- to Late Cretaceous planktonic foraminifers in the Pacific Ocean (Shatsky Rise)**

Authors: Clarke, L., Frank, T., Leckie, R. M.

Title: **Late Cretaceous (Campanian-Maastrichtian) Hydrographic Reconstruction in the Subequatorial Pacific Ocean**

Authors: Clarke, L., Frank, T., Leckie, R.M., and Arthur, M.

Title: **Late Cretaceous layered cherts in the Pacific analyzed by downhole FMS logs**

Author: T. Williams, S. Robinson, K.T. Moe, K. Marsaglia, K. Kasen

Title: **Fluctuations in biosiliceous production and generation of Early Cretaceous Oceanic Anoxic Events in the Pacific Ocean (Shatsky Rise, ODP Leg 198)**

Author: S. Robinson, T. Williams, P. Bown

Title: **Biogeochemical assessment of paleoproductivity during the early Aptian Oceanic Anoxic Event at Shatsky Rise, ODP Leg 198**

Authors: M. Dumitrescu, S.C. Brassell

Title: **Sterol ethers in a Valanginian claystone from Shatsky Rise: evidence for upwelling in the Early Cretaceous?**

Authors: S.C. Brassell

Title: **Biomarker geochemistry of Cretaceous organic-rich sediments from the west-central Pacific**

Authors: S.C. Brassell, M. Dumitrescu

Title: **Bacterial hydrocarbons and redox conditions in the Early Aptian, Shatsky Rise**

Authors: S.C. Brassell, M. Dumitrescu, F. Kemis

Title: **Enhanced role for cyanobacteria/phytoplankton in the Early Aptian**

Author: S.C. Brassell, M. Dumitrescu

Title: **Evolution of temperature controls on alkenone unsaturation**

Author: S.C. Brassell

Title: **Quantitative analysis of the Early Cretaceous radiolarians in the central Pacific (ODP Leg 198)**

Author: Ishii, Y., Kano, H., Susuki, N.

Title: **An aberrant spiral radiolarian polycystine of Early Cretaceous age: Makimakisphaera n. gen, and its phylogenetic position**

Authors: N. Suzuki, H. Kano, K. Ogane

Title: **Early Cretaceous radiolarian assemblage and faunal turnover in the central Pacific, ODP Leg 198**

Author: Kano, H.

Title: **The Early Cretaceous planktonic foraminiferal radiation**

Author: Premoli Silva , I.

LONG-TERM AND OTHER STUDIES

Title: **Paleolatitudes from Early Cretaceous sediments cored at Shatsky Rise**

Authors: Sager, Evans, Channell

Title: **Paleomagnetism of the igneous complex, Site 1213, Shatsky Rise**

Authors: Tominaga, Sager and Channell , Evans

Title: **High resolution seismic stratigraphy of Shatsky Rise through core-log-seismic data integration**

Authors: K.T. Moe, T. Tsuru, T. Williams, A. Klaus, W. Sager

Title: **Integration of velocity, density, and seismic data for a refined stratigraphic interpretation of Shatsky Rise.**

Authors: McGuire, Klaus, Williams, Sager, and Moe

Title: **Diagenetic and paleoceanographic variability; using bulk stable isotopic and elemental composition to unravel diagenetic vs secular variability**

Authors: Malone, Frank, Averyt

SCIENTIFIC RESULTS VOLUME (22 papers)

Title: **Upper Cretaceous calcareous nannofossil biostratigraphy, ODP Leg 198 (Shatsky Rise, Pacific Ocean).**

Authors: J. Lee and P. Bown

Title: **Calcareous nannofossils from the Lower Cretaceous of Shatsky Rise (Pacific Ocean): biostratigraphy, palaeobiogeography and palaeoecology.**

Authors: Paul Bown, Tim Bralower

Title: ***Data Report: Early Cretaceous radiolarian assemblage of equatorial Pacific, ODP Leg 198***

Author: H. Kano, Y. Ishii, N. Suzuki

Title: **Paleogene nannofossil biostratigraphy of Sites 1209-1212, Southern High, Shatsky Rise**

Authors: T. Bralower

Title: ***Data Report: Miocene to Recent radiolarian assemblages of the North Pacific from Site 1207, ODP Leg 198***

Authors: E. Yoshimura, N. Suzuki, K. Ogane, K. Takeda, H. Kano

Title: **Sedimentology, volcanology, and geochemistry of the lower Aptian (Selli) of Sites 1207, 1213, 1214, Shatsky Rise**

Author: K. Marsaglia

Title: **The petrology, mineralogy, texture, physical properties, and geochemistry of Cretaceous siliceous rocks recovered at Sites 1207 and 1213: Insights into when, where, and why “chert happens” on Shatsky Rise**

Author: K. Marsaglia, K. Kasen

Title: **Provenance and correlation of Cenozoic ash layers recovered on Shatsky Rise during Leg 198**

Author: K. Marsaglia K. Gadley

Title: ***Data report: The terrigenous contribution to Shatsky Rise, Site 1208***

Authors: Gylesjö S. and Arnold, E.

Title: **Geochemical and petrographic analysis of diagenetic green laminae in Quaternary and Neogene sediment**

Authors: Dutton, A. L., Malone, M.

Title: ***Data Report : Paleogene Mg/Ca paleotemperature record from Shatsky Rise***

Author: A.L. Dutton, K.C. Lohmann

Title: **Synthesis of Late Cretaceous high-resolution stable isotope records on bulk carbonate**

Authors: Clarke, L., Frank, T., and Arthur, M.

Title: **High-resolution stratigraphy of organic matter in lower Aptian sediments from Shatsky Rise, ODP Site 1207**

Authors: M. Dumitrescu, S.C. Brassell

Title: **Geochemistry of organic matter in lower Aptian sediments from Shatsky Rise, ODP Leg 198**

Authors: M. Dumitrescu, S.C. Brassell

Title: **Origin and Diagenetic Characteristics of Lower Cretaceous Chalk-Marlstone Cycles at ODP Site 1213**

Authors: Arthur, M., Frank, T., Marsaglia, K., and Bown, P.

Title: **Paleolatitude history of Shatsky Rise**

Author: W. Sager

Title: **Synthetic seismograms for ODP Sites 1207-1211, Leg 198**

Authors: T. Williams, K.T. Moe

Title: ***Data Report: Eocene-Oligocene transitions in carbonate, opal, and barite at Shatsky Rise***

Authors: K.B. Averyt, M. Calhoun, L. Schmalz, A. Paytan

Title: ***Data Report: Trace elements, % opal, and % carbonate in Miocene color cycles from Site 1208***

Author: S. Robinson, H. Jenkyns

Title: ***Data Report: Documentation of foraminiferal preservation across the Paleocene-Eocene Thermal Maximum, ODP Sites 1209-1212***

Authors: A. Brill, T.J. Bralower

Title: **Paleogene dissolution events, Shatsky Rise**

Author: H. Hancock, J. Dickens

Syntheses

Title: **Leg 198 Summary**

Authors: Tim Bralower and Isabella Premoli Silva

Title: **Integrated Neogene magneto- and biostratigraphy from ODP Site 1208, Shatsky Rise**

Authors: H. Evans, M. Leckie, D. Lazarus, R. Vigour, P. Bown, J. Channell, W. Sager