



Poster session 1: Time Scales and Rates of Change

Monday 29 August from 13:30-16:30

P-001 - Centennial variability during the Medieval Climate Anomaly observed from North to South America

Jose Abella, Juan Carlos Herguera

P-002 - A Pliocene-Pleistocene probabilistic stack of 180 globally distributed benthic $\delta^{18}O$ records

Seonmin Ahn, Deborah Khider, Lorraine E. Lisiecki, Charles E. Lawrence

P-003 - Can early warning signals be reliably detected in the Cenozoic palaeoclimate record?

David Armstrong McKay, Paul A. Wilson

P-004 - Assessing the (a)synchronicity of climate signals in Shackleton site sedimentary records

Blanca Ausin, Timothy Eglinton, Clayton Magill, Pascal Wenk, Gerald Haug, David Hodell

P-005 - Early to middle Miocene climate evolution: benthic oxygen and carbon isotope records from Walvis Ridge Site 1264.

Helen Beddow, Diederik Liebrand, Cindy Schrader, Mischa J. M. Saes, Annelotte Baas, Anja Bruls, Frits Hilgen, Lucas J. Lourens

P-006 - Rates of East Antarctic Ice Sheet retreat during Plio-Pleistocene warm periods from detrital provenance analysis at IODP Site U1361

Rachel Bertram, Tina van de Flierdt, David J. Wilson, Francisco J. Jimenez-Espejo, Robert M. McKay, Carlota Escutia,

P-007 - Marine radiocarbon simulations for the past 50000 years

Martin Butzin, Peter Köhler, Gerrit Lohmann

P-008 - Timing of penultimate deglaciation captured in Iranian speleothem: Implications for glacial termination theory in the region and beyond

Stacy Carolin, Stacy Carolin, Jacob Morgan, Richard Walker, Christopher Day, Vasile Ersek, Gideon Henderson

P-009 - The French initiative for scientific cores virtual curating : a user-oriented integrated approach.

Pignol Cecile, Bruno Galabertier, Arnaud Caillo, Karim Bernardet, Laurent Augustin, Christian Crouzet, Isabelle Billy, Gregory Teste, Vanessa Tosello, Xavier Crosta, Jérôme Chappellaz, Michel Calzas, Denis-Didier Rousseau, Fabien Arnaud

P-010 - Evolution of the Tethyan circumglobal current during the Late Cretaceous: new insights from neodymium isotopes of carbonates and authigenic oxides from Iran (Zagros basin)

Elise Chenot, E. Puceat, M. Razmjooei, N. Thibault, J.-F. Deconinck, P. Pellenard



P-011 - Efficacy of ^{230}Th normalization in sediments on the Juan de Fuca Ridge, northeast Pacific Ocean

Kassandra Costa, Jerry McManus

P-012 - Accurate orbital calibration of the late Miocene (8-6 Ma): perspective from a deep-sea chemo- and magnetostratigraphy

Anna Joy Drury, Thomas Westerhold, Thomas Frederichs, Roy Wilkens, James Channell, Helen Evans, David Hodell, Cédric M. John, Mitch Lyle, Ursula Röhl, Jun Tian

P-013 - 2000 years of annual precipitation variability in Southern California: Global forcing of ENSO variability

Xiaoqing Du, Ingrid Hendy, Linda Hinnov, Erik Brown, Arndt Schimmelmann, Dorothy Pak

P-014 - A Smoking gun for methane hydrate release during the Paleocene-Eocene Thermal Maximum

Joost Frieling, Francien Peterse, Daniel Lunt, Steve M. Bohaty, Jaap S. Sinninghe Damsté, Gert-Jan Reichart, Appy Sluijs

P-015 - The onset of the Paleocene Eocene Thermal Maximum: resolving millennial scale climate and carbon cycle interactions

Joost Frieling, Steve M. Bohaty, Jörg Pross, Stephen J. Gallagher, Guy R. Holdgate, Gert-Jan Reichart, Appy Sluijs, Peter K. Bijl

P-016 - Sequence of events from the onset to the demise of the Last Interglacial: evaluating strengths and limitations of chronologies used in climatic archives

Aline Govin, Emilie Capron, The Past4Future Chronology team

P-017 - Insolation phasing of the North African monsoon and Mediterranean sapropels during the last glacial cycle

katharine grant, Rosina Grimm, Uwe Mikolajewicz, Gianluca Marino, Martin Ziegler, Eelco Rohling

P-018 - Reconstructing surface water radiocarbon reservoir ages in the northeastern Atlantic Ocean.

Rosanna Greenop, Andrea Burke, James W B Rae, Paula J Reimer, Martin Blaauw, Anya J Crocker, Thomas B Chalk, Stephen Barker, Paul C Knutz, Ian R Hall

P-019 - Coral indicators of past sea-level change: a global repository of U-series dated benchmarks

Fiona Hibbert, Eelco J. Rohling, Andrea Dutton, Felicity H. Williams, Peter M. Chutcharavan, Mark E. Tamisiea

P-020 - Should Unit-stratotypes and Chronozones be formally defined? A proposal

Frits Hilgen, Lucas Lourens, Heiko Pälike



P-021 - Deep ocean circulation across the deglaciation: radiocarbon and temperature from deep-sea corals and a dynamical box model

Sophia Hines, John Eiler, Andrew Thompson, Jess Adkins

P-022 - Radiocarbon chronology of the last deglaciation in the Baffin Bay reveals asynchronous melting of North American ice sheets

Rebecca Jackson, Michal Kucera, Anders Carlson, Marit-Solveig Seidenkrantz, Anne de Vernal, Claude Hillaire-Marcel

P-023 - Temporal coupling of terrestrial detrital flux and the Carbon Isotope Excursion through the Paleocene-Eocene Thermal Maximum

Tom Dunkley Jones, Hayley R. Manners, Thomas Westerhold, Sandra Kirtland Turner, Melanie J Leng, Richard D Pancost, Phillip E Jardine, Paul A. Sutton, Andy Ridgwell, Murray Hoggett, Laia Alegret, Laura Domingo, Kyle Taylor, Malcolm B Hart, Stephen T Grimes

P-024 - Eccentricity-paced Pacific carbonate dissolution cycles during the Miocene Climatic Optimum

Karlos G. D. Kochhann, Ann Holbourn, Wolfgang Kuhnt

P-025 - Is there a similarity between the last two glacial terminations? Insights from Western Equatorial Africa.

Rachael Lem, Fabienne Marret, Jim Marshall, Melanie Leng

P-026 - WAVEPAL: A Software for Wavelet Analysis of Irregularly Sampled Time Series

Guillaume Lenoir, Michel Crucifix

P-027 - What is the future of stacking?

Lorraine Lisiecki

P-028 - Multi-proxy reconstruction of time scale for Site MD01-2414 in the Okhotsk Sea, northwestern subarctic Pacific Ocean

Li Lo, David A. Hodell, Henry Elderfield, Jyh-Jaan Huang, Yu-Min Chou, Liang-Chi Wang, Liping Zhou, Simon Crowhurst, Kuo-Yen Wei, Chuan-Chou Shen, Min-Te Chen, Wei-Long Wang, Sheng-Rong Song, Teh-Quei Lee, Yuan-Pin Chang

P-029 - $^{87}\text{Sr}/^{86}\text{Sr}$ as a quantitative geochemical proxy for ^{14}C reservoir age in dynamic, brackish waters: Assessing applicability and quantifying uncertainties.

Bryan Lougheed, Bryan Lougheed, Jeroen van der Lubbe, Gareth Davies

P-030 - Potential and limitations of Mn stratigraphy as a chronostratigraphic tool in the Arctic Ocean

Ludvig Löwemark, Pin-Yao Chiu, Weng-Si Chao



P-031 - Monsoon variability in the northeastern Arabian Sea on orbital- and millennial scale during the past 225,000 years

Andreas Lückge, Jeroen Groeneveld, Stephan Steinke, Mahyar Mohtadi, Thomas Westerhold, Hartmut Schulz

P-032 - South East African precipitation over the last 30kyr

Jamie Maxwell, Jeroen van der Lubbe, Gert-Jan Brummer, Dick Kroon, Simon Jung

P-033 - How the Antarctic Circumpolar Current (ACC) and the Austral ocean have varied in the Kerguelen sector during the deglaciation and the last climatic cycles

Alain MAZAUD, Elisabeth Michel, Xavier Crosta, Martine Paterne, Gulay Isguder, Viviane Bout-Roumazielles, François Beny, Samuel Jaccard

P-034 - Timing of Southern Ocean upwelling changes in the Pacific and Indian sector during the last deglaciation, a contrasted evolution with the ACC in the Indian sector.

Elisabeth Michel, Alain Mazaud, Giuseppe Siani, Samuel Jaccard, Martine Paterne, Fabien Dewilde, Gulay Isguder, Nathalie Van der Putten, Aline Govin, Matthias Zabel

P-035 - Orbital climate control of coal formation during the early Paleocene of northeastern Montana: implications for the global carbon cycle

Lars Noorbergen, Klaudia Kuiper, Frits Hilgen, Edwin de Jong, Wout Krijgsman, Mark Dekkers, Jan Smit, Hemmo Abels

P-036 - Determining sedimentation rate uncertainty in a highly expanded Late Glacial - Holocene sediment sequence recovered from the deepest Baltic Sea basin – IODP Site M0063

Stephen Obrochta, Thomas Andrén, Bryan Lougheed, Yusuke Yokoyama, Yusuke Miyairi, Szilárd Fazekas, Ian Snowball, Aarno Kotilainen, Outi Hyttinen, Annick Fehr

P-037 - Investigating orbital controls on Late Cretaceous climate

Lauren O'Connor, Stuart A. Robinson

P-038 - The role of thermal threshold of the Atlantic meridional overturning circulation in glacial abrupt climate changes

Akira Oka, Ayako Abe-Ouchi, Yusuke Yokoyama, Kenji Kawamura, Hiroyasu Hasumi

P-039 - Glacial-Holocene changes in radiocarbon reservoir ages in the western North Pacific off Japan

Yusuke Okazaki, Ken Ikehara

P-040 - Abrupt change in the ocean surface conditions in Baffin Bay at the end of deglaciation

Mimmi Oksman, Arto Miettinen, Kaarina Weckström, Dmitry Divine, Michal Kucera, Rebecca Jackson

P-041 - Early Pleistocene changes in tropical climate conditions and hominin evolution

Patricia Povea, Robyn Pickering, Tina van De Flierdt, Ileana Bladé, Isabel Cacho



P-042 - Expanding the NSB (Neptune) Database for use in paleocyanography

Johan Renaudie, David Lazarus, Patrick Diver

P-043 - Bartonian bioevents and paleoenvironments: new foraminiferal data from the SW Tethys

Lucía Rivero Cuesta, Laia Alegret, Eustoquio Molina

P-044 - Microfossil evidence of the starved-shelf to river-dominated ecosystem transition at the Paleocene-Eocene Thermal Maximum onset at Mattawoman Creek, Maryland (USA)

Marci Robinson, Jean M. Self-Trail, Debra A. Willard

P-045 - Evidence of the 1,500 yr climate cycle in the western Mediterranean over the last 20 kyr

Marta Rodrigo-Gámiz, Francisca Martínez-Ruiz, Francisco J. Rodríguez-Tovar, Eulogio Pardo-Igúzquiza, Miguel Ortega-Huertas

P-046 - Exploring the links between Reef growth, regional paleocyanography and global climate throughout the Mid-Pleistocene Transition.

Hernan Camilo Arias Ruiz, Mary Elliot, Amanda Foan, Tom Russon, Stéphan Jorry, Catherine Kissel, Sandy Tudhope

P-047 - Planktic foraminiferal stable-isotopes across the EECO: investigating the coupling between temperature and the exogenic carbon pool (ODP Site 1263, Walvis Ridge)

Cindy Schrader, Vittoria Lauretano, James C. Zachos, Lucas J. Lourens

P-048 - High resolution geochemical and magnetic records from a new benchmark deep sea section across the Eocene-Oligocene transition

Victoria Taylor, Victoria E. Taylor, Peter C. Lippert, Chuang Xuan, Steven M. Bohaty, Paul A. Wilson, Diederik Liebrand

P-049 - Astronomical tuning of the La Vedova section (Ancona, Italy) between 16.3 and 15 Ma. Implications for the origin of megabeds and the Middle Miocene Climatic Optimum.

Elena Turco, Silja Hüsing, Frederik Hilgen, Antonio Cascella, Rocco Gennari, Silvia Maria Iaccarino, Leonardo Sagnotti

P-050 - Orbitally paced climatic variations of the North Atlantic during the Mid Eocene: Implications from a ~2 Myr benthic isotope record in the North Atlantic (IODP Exp. 342)

Maximilian Vahlenkamp, David de Vleeschouwer, Fei Wu, Mathias Feldtmann, Jim Zachos, Heiko Pälike

P-051 - A 45-kyr record of millennial terrestrial-marine climate variability from the Mozambique Channel

Jeroen van der Lubbe, Jeroen. J. L. van der Lubbe, Martin Frank, Rik Tjallingii, Ralph R. Schneider



P-052 - Carbon isotope signature and precession-scale chronology of the Paleocene-Eocene Thermal Maximum in a terrestrial setting

Bas van der Meulen, Hemmo A. Abels, Niels Meijer, Philip D. Gingerich, Lucas J. Lourens

P-053 - Sediment record of paleoenvironment of the central mud of the South Yellow Sea and its response to the East Asian Monsoon during Holocene

Linmiao Wang, Guang xue Li

P-054 - New Eocene benthic stable isotope record in the Pacific: completing a 22 Ma single site high-resolution Paleogene section from Shatsky Rise

Thomas Westerhold, Ursula Röhl, Barbara Donner, James Zachos

P-055 - Mid-Pliocene foraminiferal isotope stratigraphy of Eastern Equatorial Atlantic ODP Site 959

Josse Winkelhorst, Carolien van der Weijst, Lucas Lourens, Appy Sluijs

P-056 - Orbital-scale variations in atmospheric CO₂ during the Paleocene and Eocene

Richard Zeebe, Thomas Westerhold, Kate Littler, James C. Zachos

P-057 - A synthesis of deglacial deep-sea radiocarbon records and a test of their overall consistency with modern ocean circulation

Ning Zhao, Olivier Marchal, Lloyd Keigwin, Daniel Amrhein, Geoffrey Gebbie

P-058 - Paleolatitude.org: a paleolatitude calculator for paleoclimate studies

Douwe van Hinsbergen, Lennart V. de Groot, Sebastiaan J. van Schaik, Wim Spakman, Peter K. Bijl, Appy Sluijs, Cor G. Langereis, Henk Brinkhuis