



Poster session 4: System Dynamics and Ocean-Ice-Continent Interactions

Thursday 1 September from 13:30-16:30

P-428 - Past Productivity conditions off SW Iberia at the transition from the 41 ky to the 100 ky world; The record of IODP Sites U1385 and U1391

Fatima Abrantes, Teresa Rodrigues, Cristina Ventura, Célia Santos, Baohua Li, Jin-Kyoung Kim, Ursula Röhl, Antje Voelker, David Hodell

P-429 - Enhanced Subtropical Gyre circulation feeding European ice sheet growth during the Mid-Pleistocene Transition (700 – 1400 ka, IODP Site U1385)

André Bahr, Stefanie Kaboth, David Hodell

P-430 - Regional expression of the MIS9e interglacial in southwestern Europe

Stephanie Desprat, Gauthier Guilhem, Quizhen Yin, Cesar Morales del Molino, Maria Fernanda Sánchez Goñi

P-431 - Climate response to orbital forcing on the Iberian Margin during the “41-kyr world” of the early Pleistocene

David Hodell, Benjamin Birner, Polychronis Tzedakis, Luke Skinner, Maryline Vauravers, John Nicolson

P-432 - Unravelling western Mediterranean vegetation and climate during a past interglacial with reduced Arctic sea ice cover (MIS 15)

Cesar Morales del Molino, Teresa Rodrigues, Stéphanie Desprat, Gloria M. Martín-García, Francisco J. Sierro, David A. Hodell, María Fernanda Sánchez Goñi

P-433 - Changes in sea surface temperature and circulation modes in the southwestern Iberian Margin during the last 1 Ma

Teresa Rodrigues, Montserrat Alonso-Garcia, Filipa Naughton, Marta Rufino, Joan O. Grimalt, David A. Hodell, Fátima Abrantes

P-434 - Mediterranean Outflow Water at the Pliocene/Pleistocene transition: New constraints from IODP Site U1389 (Gulf of Cadiz, IODP Expedition 339)

Patrick Grunert, Barbara Balestra, José-Abel Flores, Gerald Auer, Carl Richter, Ángela García Gallardo, Ulla Röhl, Werner E. Piller

P-435 - Mediterranean Outflow Water variability during the Early Pleistocene climate transition

Stefanie Kaboth, Patrick Grunert, Lucas J. Lourens

P-436 - Surface and Mediterranean Outflow Water Variability during Marine Isotope Stages 16 to 48 (630 – 1480 ka) at IODP Site U1387 off southern Portugal

Antje Voelker, Rodrigues, T., Padilha, M., Jimenez-Espejo, F. J., Bahr, A., Salgueiro, E., Rebotim, A., Cavaleiro, C., Röhl, U., Kuhnert, H., Balestra, B., Flores, J. A.



P-437 - Spatial and temporal heterogeneity of Holocene ocean and climate conditions in the Antarctic Peninsula: evidence from a suite of marine diatom records.

Claire Allen, Anna R Haworth, Jenny Pike, Dominic A Hodgson

P-438 - Variations in near-bottom flow of ACC during past glacial cycle in SW Indian Ocean

Eri Amsler, Helen Eri Amsler, Samuel L. Jaccard, Ian Nicholas McCave, Minoru Ikehara

P-439 - Identifying atmospheric CO₂ as the primary driver of Eocene cooling, using boron isotopes in planktonic foraminifera from multiple drill sites

Eleni Anagnostou, Eleanor John, Kirsty Edgar, Philip Sexton, Paul Pearson, Andy Ridgwell, Gordon Inglis, Richard Pancost, Daniel Lunt, Gavin Foster

P-440 - The MIS2 marine record in the Adriatic (Mediterranean): new insights from the PRAD1-2 borehole

Alessandra Ascoli, Andrea Piva, Claudio Pellegrini, Fabio Trincardi

P-441 - Intensified Gulf Stream after the Early Pliocene shoaling of the Central American Seaway

Alexandra Auderset, Alfredo Martínez-García, Gerald Haug, Timothy I. Eglinton, Ralf Tiedemann

P-442 - Dependency of the global climate state on a changing background geography across the Eocene-Oligocene transition.

Michiel Baatsen, Anna S. von der Heydt, Henk A. Dijkstra, Michael A. Kliphuis

P-443 - Incursions of southern-sourced water into the deep North Atlantic during late Pliocene glacial intensification

Ian Bailey, David C. Lang, Paul A. Wilson, Thomas B. Chalk, Gavin L. Foster, Marcus Gutjahr,

P-444 - Simulating the response of glacial ice-sheets to past abrupt climate changes

Rubén Banderas, Jorge Álvarez Solas, Alexander Robinson, Marisa Montoya

P-445 - Evolution of deep water exchange in the Atlantic Ocean during the latest Cretaceous – early Paleogene

Sietske J. Batenburg, Silke Voigt, Oliver Friedrich, Tina Klein, Christoph Neu, Anne Osborne, Martin Frank

P-446 - Oceanography of the Western Interior Seaway during OAE2 using Nd isotopes

Sietske J. Batenburg, Alexander J. Dickson, Benjamin S. Kelsey, James S. Eldrett, Stuart A. Robinson, Micha Ruhl, Hugh C. Jenkens

P-447 - Continent-Ocean Sediment Transfer to the Northern East China Sea (IODP 346) over the last 400kyr: insights into Yellow River discharge and ITCZ motion.

François Beny, Samuel TOUCANNE, Charlotte SKONIECZY, Germain BAYON, Martin ZIEGLER, Emmanuel PONZEVERA



P-448 - Modelling the influence of Lake Agassiz on the deglaciation of the Laurentide ice-sheet
Tijn Berends, Roderik van de Wal, Bas de Boer, Sarah Bradley

P-449 - Dinoflagellate cyst stratigraphic calibration of Oligocene-Miocene sediments from offshore Wilkes Land (East Antarctica) and paleoceanographic inferences
Peter Bijl, Francesca Sangiorgi, Alexander J. P. Houben, Jörg Pross

P-450 - A reconstruction of sea surface temperature gradients and an assessment of the suspected presence of continental ice during the cold mid-Paleocene (61-57 Ma)
Peter Bijl

P-451 - Bottom current controlled sedimentation in the Ceara Rise region during the Late Quaternary (Equatorial Atlantic)
Dmitrii Borisov, Ivar Murdmaa, Elena Ivanova, Oleg Levchenko

P-452 - Circulation and productivity during the Early Holocene optimum in the Southwest Pacific
Helen Bostock, Joe Prebble, Helen Bostock, Giuseppe Cortese, Bruce Hayward, Eva Calvo, Leanne Armand, Helen Neil, Denise Kulhanek, Kitae Kim, Markus Kienast, Andrew Lorrey, George Scott

P-453 - The Spatial Extent and Dynamics of the Antarctic Cold Reversal
Helen Bostock, Joel B. Pedro, Helen C. Bostock, Cecilia M. Bitz, Feng He, Marcus J. Vandergoes, Eric J. Steig, Brian M. Chase, Claire E. Krause, Sune O. Rasmussen, Bradley R. Markle, Giuseppe Cortese

P-454 - Oligocene-Miocene paleoceanographic changes offshore the Wilkes Land Margin, Antarctica: dinoflagellate cyst and TEX86 analyses of DSDP Site 269.
Wilriek Boterblom, Peter K. Bijl, Francesca Sangiorgi, Julian D. Hartman, Francien Peterse

P-455 - Mineralogical and geochemical -Sr, Nd, Pb, Hf - tracing of varying northern vs. southern water-masses contributions in the sub Antarctic Atlantic ocean (MD07-3076) since the last glacial maximum
Viviane Bout-Roumazielles, François Beny, Aloys Bory, Marion Delattre, Romain Abraham, Claire Waelbroeck, Elisabeth Michel, Alain Mazaud

P-456 - Late Holocene ocean temperatures and hydrography of the Western Antarctic Peninsula shelf
Imogen Browne, Amelia Shevenell, Patrick Schwing, Amy Leventer, Meghan Duffy, Brad Rosenheim, Eugene Domack

P-457 - Reconstructing paleoceanographic conditions during the Oligocene-Miocene transition using walled dinoflagellate cysts and TEX86: IODP Expedition 318, Wilkes Land, Antarctic margin
Anja Bruls, Julian Hartman, Peter K. Bijl, Francesca Sangiorgi, Francien Peterse



P-458 - Radiocarbon, sea ice, and dynamics in the glacial Southern Ocean

Andrea Burke, Andrew L. Stewart, Jess F. Adkins, Rafaele Ferrari, Malte F. Jansen, Andrew F. Thompson

P-459 - Thermal evolution of the western South Atlantic and the adjacent continent during Termination 1

Cristiano Mazur Chiessi, Stefan Mulitza, Gesine Mollenhauer, Juliana Silva, Jeroen Groeneveld, Matthias Prange

P-460 - Late Eocene deep-sea stable isotope stratigraphy of the North Atlantic (IODP Site U1411): precession and eccentricity pacing at the close of the Eocene greenhouse

Helen Coxall, Anna Nyberg, Max Holmström, Diederik Liebrand, Steve M. Bohaty, Paul Wilson

P-461 - Mid-Holocene climatic trends around Antarctica

Julien Crespin, Didier Swingedouw, Xavier Crosta, Olivier Marti, Pascale Braconnot, Valérie Masson-Delmotte, Johan Etourneau, Ruth Yam, Aldo Shemesh

P-462 - 11 Million Years of Saharan Dust: Hydroclimate Variability, Chemical Weathering and the C3/C4 Plant Transition recorded at ODP Site 659

Anya Crocker, B. David A. Naafs, Thomas Westerhold, Ursula Röhl, Rachael H. James, Richard D. Pancost, Colin P. Osborne, Paul A. Wilson, David J. Beerling

P-463 - Calcareous Microfossil-Based Productivity Cycles in the Arctic Ocean over Orbital Timescales

Thomas M. Cronin, Rachel Marzen, Lauren DeNinno, Moriaki Yasuhara, Laura Gemery

P-464 - The importance of topographically induced mixing in reproducing the water masses of the Last Glacial Maximum.

Agatha de Boer, Andrew McC. Hogg

P-465 - Early Pliocene emergence of the modern Nordic Seas circulation

Stijn De Schepper, Michael Schreck, Kristina M. Beck, Jens Matthiessen, Kirsten Fahl, Gunn Mangerud

P-466 - Contrasted climatic trends in the Atlantic vs. Pacific gateways of the Arctic Ocean during the Holocene

Anne de Vernal, Jade Falardeau, Olivia Gibb, Claude Hillaire-Marcel, Medhi Pasha Karami, Geotop-UQAM; André Rochon, ISMER-UQAR; Nicolas Van Nieuwenhove, U of Aarhus

P-467 - Mid-Pleistocene oceanography in the Bering Sea – Insights from deep ocean temperature, continental ice volume, and sea ice records

Henrieka Detlef, Sindia Sosdian; Ian R. Hall; Caroline H. Lear; Sev Kender; Melanie J. Leng; Simon T. Belt



P-468 - Low earth system sensitivity to orbital forcing during the cool Eocene Greenhouse

Simon D'haenens, Pincelli M. Hull, Mathieu Martinez, Christopher Bowman, Sandra Kirtland Turner, Heiko Pälike, Rain Tsong, Fei Wu, James C. Zachos

P-469 - Late Cretaceous changes in continental configuration : toward a better ventilated ocean?

Yannick Donnadieu, Emmanuelle Puceat, François Guillocheau, Jean-François Deconinck

P-470 - Cyclicity of ice rafted debris in the Bering Sea (Site U1341) during the early Pleistocene

Michelle Kim Drake, Christina Ravelo, Ivano Aiello

P-471 - Two types of radiative adjustment after an AMOC collapse

Sybren Drijfhout

P-472 - Holocene variation in the HTM/Neo transition off eastern Greenland from Fram Strait to Cape Farewell

Christian V. Dylmer, Martin Miles

P-473 - Early Eocene Palaeoenvironmental and Tectonic Reconstruction of the Rockall Trough

Kirsty Edgar, Ulrike Baranowski, Heiko Moossen, James Bendle, Steve Jones, Tom Dunkley Jones

P-474 - Northern hemisphere paleoclimatic and paleoceanographic changes at the Eocene/Oligocene boundary – new insights from dinoflagellate cyst assemblages

Lisa Egger, Jörg Pross, Oliver Friedrich, Richard D. Norris, Paul A. Wilson, Expedition 342 Scientists

P-475 - The mid-Pleistocene transition in the South-West Indian Ocean

Thomas Extier, Bruno Malaizé, Thibaut Caley, Erin McClymont, Linda Rossignol, Mélanie Wary, Stéphane Relexans, Pierre-Yves Gourves, Karine Charlier, Marie-Hélène Castera

P-476 - A multi-proxy reconstruction of shallow water palaeo-oceanography from the southern Sea of Japan over the Mid-Pleistocene Transition (Site U1427, IODP Exp. 346)

Sonja Felder, Andrew C.G. Henderson, Thomas Wagner, Melanie J. Leng

P-477 - Changes in water mass circulation patterns in the Labrador Sea over the last 35 kyrs based on sedimentary Nd-Hf-Pb isotope compositions

Alexandra Filippova, M. Frank, M. Kienast, E. Hathorne, M. Gutjahr, C. Hillaire-Marcel

P-478 - North Pacific records of temperature, ice volume and carbonate chemistry over the Mid-Pleistocene Transition

Heather L. Ford, Laura Haynes, Bärbel Hönisch, Maureen E. Raymo

P-479 - The impacts of pCO₂, orbital forcing and terrestrial ice sheets on global climate and deep water formation in a suite of coupled model simulations

Eric Galbraith



P-480 - Modeling the oxygen isotopic composition of the Antarctic ice sheet and its significance to Pliocene sea level

Edward Gasson, Rob DeConto, David Pollard

P-481 - Ice-sheet break-up and subsequent ocean reorganisation over the last 10,000 years: a view from Nares Strait, NW Greenland

Eleanor Georgiadis, Naima El Bani Altuna, Jacques Giraudeau, Guillaume Massé, Frédérique Eynaud, Sébastien Zaragosi, Guillaume St-Onge, Philippe Martinez

P-482 - Constraints on post-glacial relative sea-level change in Northern Greenland from Marine Bivalves

Anna Glueder, Alan C. Mix

P-483 - Last Interglacial variability of the deep North Atlantic circulation

Aline Govin, Catherine Kissel, Camille Wandres

P-484 - The tropical rain belt of western South America during early Pliocene

Friederike Grimmer, Lydie Dupont

P-485 - Australian climate during the Miocene controlled by Antarctic dynamics

Jeroen Groeneveld, Jorijntje Henderiks, Willem Renema, Cecilia McHugh, David De Vleeschouwer, Beth Christensen, Craig Fulthorpe, Lars Reuning, Stephen Gallagher, Kara Bogus, Takeshige Ishiwa, Donald Potts, Tobias Himmler, Michelle Kominz, Chelsea Korpanty, Gerald Auer, Briony Mamo, Helen McGregor, Expedition 356 Scientists

P-486 - Millennial-scale variations of an East Antarctic outlet glacier during the Last Glaciation

Michelle Guitard, Amelia Shevenell, Amy Leventer, Brad Rosenheim, Yusuke Yokoyama

P-487 - South African Climates: Highlights From International Ocean Discovery Program (IODP) Expedition 361

Ian Hall, Sidney Hemming, Leah LeVay, Expedition 361 Scientists, IODP

P-488 - Dinocyst assemblage constraints on oceanographic and atmospheric processes in the Eastern Equatorial Atlantic over the last 44 ka

William Hardy, Aurélie Penaud, Fabienne Marret, Germain Bayon, Laurence Droz, Tania Marsset

P-489 - Phytoplankton assemblages and lipid biomarkers indicate sea-surface warming and sea-ice decline in the Ross Sea during Marine Isotope sub-Stage 5e

Julian Hartman, Francesca Sangiorgi, Peter K. Bijl, Francien Peterse, María A. Barcena, Sonia Albertazzi, Alessandra Asiola, Federico Giglio, Leonardo Langone, Fabio Tateo, Fabio Trincardi



P-490 - Warm stable sea surface waters offshore Wilkes Land (Antarctica) during the Oligocene show no 'late Oligocene warming'

Julian Hartman, Peter K. Bijl, Francesca Sangiorgi, Francien Peterse, Stefan Schouten, Ariadna Salabarnada, Carlota Escutia, Steven Bohaty, Henk Brinkhuis

P-491 - A 200-year bi-monthly resolved record of Indonesian-Throughflow-controlled hydrological changes in the southeastern Indian Ocean

Rick Hennekam, Malou ten Have, Geert-Jan Brummer, Jens Zinke, Gert-Jan Reichert

P-492 - Millennial-scale variations in Western Pacific Warm Pool (sub)surface hydrography over the past 110,000 years

Martina Hollstein, Mahyar Mohtadi, Yair Rosenthal, Delia Oppo, Gema Martínez Méndez, Stephan Steinke, Paola Moffa Sanchez, Dierk Hebbeln

P-493 - Glacial/Interglacial variability of deep-sea benthic fauna in the Japan/East Sea over the last 1 million years: ostracode fossil assemblages from the Site U1427, IODP-Expedition 346

Huai-Hsuan May Huang, Hokuto Iwatani, Moriaki Yasuhara, Carlos Alvarez Zarikian, Maria-Angela Bassetti, Tatsuhiko Yamaguchi, Katsura Yamada, Takuya Sagawa, Samuel Toucanne

P-494 - Oligocene record of East Antarctic ice sheet dynamics from Maud Rise, Southern Ocean.

Claire Huck, Steven M. Bohaty, Tina van de Flierdt, Diederik Liebrand, Ursula Röhl, Paul A. Wilson

P-495 - Modelling the Meridional Overturning Circulation During the Eocene-Oligocene Transition

David Hutchinson, Agatha de Boer, Helen Coxall, Rodrigo Caballero, Johan Nilsson

P-496 - Resolving the phasing and forcing dynamics between North Atlantic climate and deep ocean circulation changes

Nil Irvallj, Ulysses S. Ninnemann, Helga F. Kleiven, Tor L. Mjell, Hafliði Hafliðason

P-497 - Postglacial paleoceanography of the northwestern Barents Sea

Elena Ivanova, Ivar Murdmaa, Anne de Vernal, Bjørg Risebrobakken, Claude Hillaire-Marcel, Camille Brice, Alexander Peyve, Elvira Seitkalieva, Sergey Pisarev

P-498 - Tropical Feedbacks on High Latitude Forcing: The perspective from dust

Allison Jacobel, Jerry F. McManus, Robert F. Anderson, Gisela Winckler

P-499 - Ocean temperature and sea-level variability during the Plio-Pleistocene intensification of Northern Hemisphere Glaciation: a view from the eastern equatorial Pacific

Kim Alix Jakob, Paul A. Wilson, André Bahr, Clara T. Bolton, Jörg Pross, Jens Fiebig, Oliver Friedrich

P-500 - Glacial-interglacial productivity changes in the eastern equatorial Pacific upwelling system

Kim Alix Jakob, Paul A. Wilson, André Bahr, Clara T. Bolton, Jörg Pross, Jens Fiebig, Oliver Friedrich



P-501 - Global Cooling as the Driver of Ocean Circulation Changes Between the Present and LGM.

Malte Jansen

P-502 - Identifying potential source regions of windblown material from the North American Continent

Gabriella Jardine, Anya J. Crocker, Ian Bailey, Paul A. Wilson, Daniel Muhs

P-503 - New evidence for understanding evolution of the Arctic ice sheet during past 3.5 million years: Result from ice-drafted debris (IRD) recorded in Hole U1312B

Liu Jingyu, Nianqiao FANG, Feng WANG, Xuan DING

P-504 - Glacial/interglacial variability from MOIS 10 to 16 of deep-sea benthic ostracod biofacies from the Nordic Seas: ostracod fossil assemblages from Calypso piston core MD99-2277

Anna Jöst, Moriaki Yasuhara, Henning A. Bauch

P-505 - Atmosphere - Ocean interactions: The effect of mountain uplift on eastern boundary currents and upwelling systems

Gerlinde Jung, Matthias Prange

P-506 - Paleo application of the adaptive mesh resolution ice sheet model, BISICLES

Alan Kennedy, Stephen Cornford, Dan Lunt, Tony Payne

P-507 - ENSO-Indian Monsoon Relationship in the Kiel Climate Model simulations of the Holocene and Eemian interglacials

Vyacheslav Khon, Jil Kiefer, Vyacheslav Khon, Birgit Schneider

P-508 - The effect of ice sheets and GHG concentrations on the glacial AMOC in the coupled climate model MPI-ESM

Marlene Klockmann, Uwe Mikolalewicz, Jochem Marotzke

P-509 - Sea-ice dynamics in an Arctic coastal polynya during the past 6500 years: Implications for brine formation and deep-water renewal

Jochen Knies, Irene Pathirana, Patricia Cabedo-Sanz, Ana Banica, Tine L. Rasmussen, Matthias Forwick, Simon T. Belt

P-510 - Stabilization of atmospheric CO₂ by enhanced volcanic degassing via sea level fall during glaciation

Gregor Knorr, Jörg Hasenclever, Lars Rüpke, Peter Köhler, Jason Morgan, Kristin Garofalo, Stephen Barker, Gerrit Lohmann, Ian Hall

P-511 - The effect of glacial sea levels on carbon release from shelf sediments

Martin Koelling



P-512 - On the state dependency of equilibrium climate sensitivity during the last 5 million years
Peter Köhler, Bas de Boer, Anna von der Heydt, Lennert Stap, Roderik van de Wal

P-513 - Response of the central Mediterranean Sea to climate variability during the earliest Pliocene: insights from the Kalamaki section (Zakynthos Island, Ionian Sea)
George Kontakiotis, Karakitsios, V., Mortyn, P.G, Antonarakou, A., Drinia, H., Anastasakis, G., Agiadi, K., Kafousia, N., M. De Rafelis

P-514 - Salinity and environmental changes in the Baltic Sea region during the last deglaciation based on foraminiferal stable isotopes and trace elements
Nadine Quintana Krupinski, Helena L. Filipsson, Yasmin Bokhari-Friberg, Andreas Mackensen, Jeroen Groeneveld, Karen-Luise Knudsen

P-515 - Cretaceous polar ice sheets?
Jean-Baptiste Ladant, Yannick Donnadieu

P-516 - Palynological record (dinoflagellate cysts and pollen) over the last century in the Bay of Brest (NW France): eutrophication and climate footprints.
Clément Lambert, Aurélie Penaud, Muriel Vidal, Khadidja Klouch, Sabine Schmidt, Gwendoline Grégoire, Frédérique Eynaud, Olivier Ragueneau, Raffaele Siano

P-517 - Paleooceanography of the Drake Passage and the adjacent southern Chilean Margin – first results from R/V Polarstern expedition PS97.
Frank Lamy, PS97 Shipboard Scientific Party

P-518 - Impact of initial bedrock topography on the stability of the Greenland ice sheet
Petra Langebroek, Kerim H. Nisancioglu

P-519 - High ENSO activity during the Marine Isotope Stage 3
Guillaume Leduc, Laurence Vidal, Kaustubh Thirumalai, Sauvann Dubois

P-520 - Coccolithophore assemblages at the Southern Brazilian Continental Margin during the late Quaternary
Adriana Leonhardt, Felipe Toledo, José-Abel Flores

P-521 - Paleooceanographic and Paleoclimatic changes since the last glacial revealed by sea surface temperature records from the subarctic northwest Pacific
Chia-Ju Liao, Min-Te Chen, Jianjun Zou, Xuefa Shi, Bosin Alexandr, Sergey Gorbarenko

P-522 - Climate and cryosphere dynamics during the Oligo-Miocene (30.1–17.1 Ma): integrated stratigraphy from Walvis Ridge Site 1264
Diederik Liebrand, Helen M. Beddow, Lucas J. Lourens, Heiko Pälike, Isabella Raffi, Steven M. Bohaty, Frederik J. Hilgen, Mischa J. M. Saes, Paul A. Wilson, Arnold E. van Dijk, David A. Hodell, Dick Kroon, Claire E. Huck, Sietske J. Batenburg



P-523 - Intensification of Labrador Sea influences on Atlantic deep circulation during MIS 11

Jasmin M. Link, Patrick Blaser, Jörg Lippold, Marcus Gutjahr, Anne H. Osborne, Evelyn Böhm, Martin Frank, Oliver Friedrich, Norbert Frank

P-524 - Role of Greenland and West Antarctic Ice Sheets on Last Interglacial climate

Gerrit Lohmann, Paul Gierz, Johannes Sutter, Madlene Pfeiffer, Xuezhong Wang

P-525 - Indian Monsoon influences on the hydrography of the Bay of Bengal at glacial terminations

Rose Manceau, Gianluca Marino, Eelco J. Rohling, Jimin Yu, Katharine M. Grant, Clara T. Bolton

P-526 - Glacial termination II: timing of ocean and climate change and implications for the processes controlling the ice-age cycles

Gianluca Marino

P-527 - Late Quaternary history of the evolution of the marine Niger Delta: a multi-proxy investigation

Fabienne Marret, Onema Adojoh, Robert Duller, Peter Osterloff

P-528 - Modern Weathering on Greenland as an Analog for Miocene Antarctic Ice Sheet Evolution

Ellen E. Martin, Kelly M. Deuerling, Jonathan B. Martin, Chandranath Basak, Cheyenne S. Everhart

P-529 - Evolution of sea surface temperatures and primary productivity in the Gulf of Alaska since the Last Glacial Maximum

Erin McClymont, Juliane Müller, Alan C. Mix, Leah LeVay, Oscar Romero

P-530 - Exploring the oxygen isotope fingerprint of Dansgaard-Oeschger variability

Laurie Menviel, Katrin J. Meissner

P-531 - Simulating the last glacial-interglacial transition with a coupled atmosphere-ocean-ice sheet model

Uwe Mikolajewicz, Florian Ziemann

P-532 - Multiproxy evidence for extreme export of arctic sea ice at the onset of the Little Ice Age

Martin W. Miles, Christian V. Dylmer

P-533 - Surface and deep-water interaction at the Iceland-Scotland Ridge during the last 55 kyrs.

Maryam Mirzalogu, Nürnberg, D; Schirrmacher, J.; Kienast, M.; Van der Lubbe, H.J.L.

P-534 - Deglacial warm events in the Southern Ocean are felt in the tropics

Paola Moffa-Sanchez, Yair Rosenthal, James D Wright, Gregory Mountain, Samantha Bova, Timothy Herbert



P-535 - Deglacial mobilization of old terrestrial carbon in the North Pacific realm controlled by sea-level rise, permafrost thawing and ice-sheet melting

Gesine Mollenhauer, Meyer, Vera; Winterfeld, Maria; Dummann, Wolf; Hefter, Jens; Lembke-Jene, Lester; Tiedemann, Ralf

P-536 - Nitrogen and carbon isotopic composition of organic matter in sediment from the northeastern Arabian Sea over the past 110,000 years

Masafumi Murayama, Koudai Yamashita, Yuji Yamamoto, Nomi Harada

P-537 - Late Miocene ice volume and bottom water temperatures from pristinely preserved benthic foraminifera.

Michael Nairn, Caroline Lear, Paul Pearson, Alexandra Nederbragt, Simon Beavington-Penney

P-538 - Arctic Ocean gateways as sensitive drivers for the high-latitude ocean during the Late Cretaceous

Igor Niezgodzki, Gregor Knorr, Gerrit Lohmann, Jaroslaw Tyszka, Paul Markwick

P-539 - Southeastern marginal West Pacific Warm Pool sea-surface and thermocline dynamics during the Pleistocene (2.5-0.5 Ma)

Dirk Nuernberg, Jacek Raddatz, David W. Poggemann, Ralf Tiedemann, Nadine Rippert

P-540 - Break-up of last glacial deep stratification in the South Pacific

Katharina Pahnke, Chandranath Basak, Henning Froellje, Frank Lamy, Rainer Gersonde, Verena Benz, Robert F. Anderson

P-541 - Early Holocene meltwater events in the Labrador Sea

Christof Pearce, Anne E. Jennings, John Andrews, Marit-Solveig Seidenkrantz, Mike Lewis

P-542 - Southern Ocean deep convection as a driver of Antarctic warming events

Joel Pedro, Torge Martin, Eric J. Steig, Markus Jochum, Sune O. Rasmussen

P-543 - Meridional Transect of Atlantic Deep Ocean Circulation across the Mid-Pleistocene Transition

Leopoldo D. Pena, Steven L. Goldstein, Maayan Yehudai, Joohee Kim, María Jaume-Seguí, Laura Hayes, Jesse Farmer, Heather Ford, Bärbel Hönisch, Maureen E. Raymo, Patrizia Ferretti, Torsten Bickert

P-544 - The Plio-Pleistocene record of climate change from Western Australia

Benjamin F. Petrick, Gerald Auer, Beth A. Christenson, David De Vleeschouwer, Lars Reuning, Afredo Martinez-Garcia, Gerald Haug, Stephen J. Gallagher, Craig S. Fulthorpe, Kara Bogus, IODP 356 Shipboard Science Party, International Ocean Discovery Program, USA

P-545 - A Holocene record of giant iceberg calving from the Amery Ice Shelf, Prydz Bay

Jennifer Pike, George Swann, Melanie Leng, Andrea Snelling



P-546 - A 1.2 Million Year Record of Southwestern Pacific Deep Water Source from Neodymium Isotopes

Alexander Piotrowski, Jacob Howe, Mervyn Greaves, Victoria Rennie, Josphine Clegg

P-547 - Glacial onset predated Late Ordovician climate cooling

Alexandre Pohl, Yannick Donnadieu, Guillaume Le Hir, Jean-Baptiste Ladant, Christophe Dumas, Jorge Alvarez-Solas, Thijs R. A. Vandenbroucke

P-548 - Sediment Provenance in the Gulf of Mexico: A Test of the Regolith Hypothesis

Andrea Portier, Ellen E. Martin, Mieke Thierens, Maureen E. Raymo, Sidney Hemming

P-549 - North Pacific ocean warming enhances Arctic amplification

Summer Praetorius, Maria Rugenstein, Ken Caldeira

P-550 - Inclusion of a dynamical downscaling within a climate model of intermediate complexity: impacts on global scale climate and sub-grid ice sheet surface mass balance

Aurélien Quiquet, Didier Roche, Christophe Dumas

P-551 - The deglacial radiocarbon history of the surface and deep Gulf of California

Patrick Rafter, Juan Carlos Herguera, John R. Southon

P-552 - Parallelisms between sea surface temperature changes in the western tropical Atlantic (Guiana Basin) and high latitude climate signals over the last 140 000 years

Oscar Rama-Corredor, B. Martrat, J. O. Grimalt, G. E. López-Otalvaro, J. A. Flores, F. Sierro

P-553 - Field evidence for Eemian Sea level in the near-field and far-field of the Laurentide Ice Sheet

Maureen E. Raymo, Alessio Rovere, Michael O'Leary, R. Michael Sandstrom, Blake Dyer, William D'Andrea, Thomas Lorscheid, Elisa Casella, ZMT, Jerry Mitrovica, Sarah Dendy

P-554 - Subtropical W-Atlantic subsurface warming during deglacial times of reduced Atlantic Meridional Overturning Circulation

Stefan Reiðig, Dirk Nürnberg, André Bahr, Julia Hoffmann, David-Willem Poggemann

P-555 - A Cold Water Route forcing of Atlantic Meridional Overturning Circulation?

Jenny Roberts, J. Roberts, I.N. McCave, E.L. McClymont, V.L. Peck, S. Kender, D.A. Hodell

P-556 - Unexpected differences between Quaternary ice ages

Eelco Rohling

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