

First Name	Last Name	Paper Title	Poster Board
Geological and Oceanographic Processes			
Andrea	Burke	North Atlantic radiocarbon constraints on ocean circulation and air-sea gas exchange over the last deglaciation	001
Zanna	Chase	Was ocean carbon uptake different during Marine Isotope Stages 2 and 4?	002
Yuhao	Dai	Deglacial Southern Ocean carbon reservoir coupled to nutrient utilization efficiency	003
Georgina	Falster	Testing the link between southern Australian aridity and variability in the global carbon cycle	004
Hubertus	Fischer	N ₂ O changes from the Last Glacial Maximum to the preindustrial - isotopic source deconvolution and its implication for the marine and terrestrial nitrogen cycle	005
Koji	Horikawa	Radiogenic Nd input to the Southern Ocean in the Middle Miocene Climate Transition: Evidence for increased chemical weathering of the Antarctic volcanics?	006
Markus	Kienast	Gauging Arctic and Northwest Atlantic nitrogen cycling from Labrador Sea nitrogen isotopes	007
Martin	Koelling	The shelf life of pyrite - implications of glacial shelf exposure for global CO ₂ and O ₂	008
Eloise	Littley	CO ₂ perturbations during rapid climate change in the North Atlantic	009
Nina-Maria	Papadomanolaki	Drivers and climatic impact of organic carbon burial: comparing OAE2 and the PETM	010
Hannah	Trinity	NOAA/GEOL Earth System Model ESM2M Carbon and Climate Sensitivity to PETM Forcings	011
Michelle	Van Der Does	Southern Ocean Dust and Iron Fertilisation (DustIron)	012
Jade	Wu	The coupling of carbon cycle and AMOC - a multi-proxy study in the mid-depth subpolar North Atlantic since 65 ka	013
Geobiology: New Frontiers in Paleoclimatology Linking Paleoclimatic Changes with Biology and Evolution			
Onema	Adojob	Understanding the evolution of the tropical eastern Pacific: the role of climate and upwelling pattern	014
Ashemat	Bhatia	The biomineralisation and calcification response of planktonic foraminifera to the Paleocene-Eocene Thermal Maximum	015
Raquel	Bryant	Paleoceanographic change in the Western Interior Seaway through Oceanic Anoxic Event 2	016
Stijn	De Schipper	Reconstructing past Arctic sea ice using sedimentary ancient DNA	017
Dirk	Erler	Three centuries of nitrogen cycling in the coastal GBR	018
Yuji	Kato	Migration history of the Subantarctic Front during the late Miocene and Pliocene based on diatom evidence	019
Hedwig	Krawczyk	Cross-validation of high-resolution Sr/Ca and δ ¹⁸ O of Porites corals from Browse Island, North Western Australia	020
Shenfa	Liu	Sea surface temperature and salinity variability in the Andaman Sea and their implications for Indian Ocean monsoon evolution during the last deglaciation	021
Elaine	Mawbey	Exploring the trace element and stable isotope signals of multiple species of planktonic foraminifera over the last 15 Million years	022
Diana	Ochoa	Modern Humboldt Current Ecosystems: Onset and evolution from Neogene-Quaternary Peruvian records	023
Christina	Riesselman	Effects of environmental conditions on diatom communities and the δ13C of particulate organic matter in Terra Nova Bay	024
Michelle	Zill	Bioturbation intensity as a constraint on Paleocene-Eocene Thermal Maximum carbon cycling	025
Glacial and Oceanographic Processes			
Takuto	Ando	Evaluation of changes in glacial fjord ecosystem from sediments collected in front of Bowdoin Glacier, northwestern Greenland.	026
Dipayan	Choudhury	Global ice-sheet response to orbital-scale forcing, as simulated by a new coupled climate-ice-sheet model	027
Edward	Gasson	Sensitivity of the Antarctic ice sheet to evolving bed topography	028
Greer	Gilmer	EARLY HOLOCENE OCEAN AND ATMOSPHERE INTERACTION IN MOURBAY BAY, ANTARCTICA	029
Julia	Gottschalk	Changes in Antarctic bottom water formation during peak interglacial conditions: A multi-proxy view on "stagnation events" in the South Atlantic	030
Benjamin	Griffin	Plio-Pleistocene Antarctic Slope Current in the outer Ross Sea, and linkages to West Antarctic Ice Sheet variability	031
Fiona	Hilbert	Reassessing global ice volume changes since the last glacial maximum: uncertainty and structure in sea level records	032
Minoru	Ikehara	Episodic enhancement of sea ice survivability in the glacial Southern Ocean driven by Antarctic warming	033
Katelyn M.	Johnson	Holocene ice-ocean interactions in the Ross Sea and Adélie Land Regions	034
Gema	Martinez Mendez	Biomarker stages from IODP Site U1524 (Ross Sea) and core PS111-15-2 (Weddell Sea) from MIS 5 to the Holocene: Upper ocean temperatures and past (ice algae) productivity	035
Bradley	Opdyke	Evidence of MIS Stage 3 Ice Melt from Planktonic Foraminifera Impacted by the Totten Glacier outflow over the Sabrina Slope, East Antarctica	036
Kara	Vadlan	Deglacial to Holocene Circumpolar Deep Water influence over the Sabrina Coast continental shelf, East Antarctica	037
Antie	Wegwerth	Major hydrological shifts in the Black Sea "Lake" in response to ice sheet collapses during MIS 6 (130-184 ka BP)	038
Ocean Circulation and Climate System Dynamics			
Alexandra	Auderset	Gulf Stream intensification after the early Pliocene shoaling of the Central American Seaway	039
Shradha	Band	3.2Mw Foraminifera-bound δ15N record in the Western Equatorial Pacific	040
Lisa	Bretschneider	Mid-Pliocene radiogenic isotope record of Indian monsoon induced erosion and its link to global climate and tectonics (IODP Site U1443)	041
Yi-Chi	Chen	Precessionally Paced Foraminifera-bound Nitrogen Isotope Variations in the Solomon Sea Influenced by Eastern Equatorial Pacific Upwelling Intensity	042
Matthieu	Civel	High-resolution ocean temperature reconstructions over last glacial-interglacial cycle in the Kerguelen region, Southern Ocean.	043
David	De Vleeschouwer	Stepwise weakening of the Pliocene Leeuwin Current	044
Jan Pieter	Dirksen	Transient box model analysis of sapropel formation in the Mediterranean Sea	045
Suemeyva	Eroglu	Reconstruction of oxygen-minimum zone dynamics along the Eastern Tropical Pacific during the Holocene	047
Heather	Ford	Regional and global signals in seawater δ ¹⁸ O records across the Mid-Pleistocene Transition	048
Eleanor	Georgiadis	The deglacial opening of Nares Strait, NW Greenland and Holocene dynamics of the North Water polynya	049
Yuki	Haneda	Multi-millennial scale hydrographic changes in the northwestern Pacific: response to the northern ice melt during MIS 19 from the Chiba composite section, central Japan	050
Steffen	Hetzinger	Early start of 20th century Arctic sea ice decline recorded in Svalbard coralline algae	051
Quan	Hua	Variability in marine radiocarbon reservoir effect on the northern Great Barrier Reef during the Holocene	052
Jim	Jakob	Sea-level dynamics during the Late Pliocene to Early Pleistocene (c.3.35-2.05 Myr)	053
Haiyan	Jin	Long-term eccentricity cycles in the western equatorial Pacific benthic foraminifera records over the last 4 Ma	054
Christopher	Kinsley	Provenance Changes Recorded in Japan Sea Sediments (IODP Site U1430) Over the Past 200 ka by Radiogenic Pb, Nd, and Sr Isotopes	055
Yingxin	Kou	Variations of the Indian summer monsoon intensity during the Mid-Pleistocene Transition: Planktonic foraminiferal oxygen isotope records of IODP Site U1443	056
Alfonso	Koutavas	El Niño-Southern Oscillation during Ice Ages from individual foraminifera	057
Wolfgang	Kuhnert	Indian Ocean circulation and monsoon variability across late Neogene climate transitions	058
Li	Liu	Vegetation and climate change from isotopic study in the northern China since the Last Glaciation	059
Jörg	Lippold	Stable Atlantic Meridional Overturning Circulation during the Holocene	061
David	Lund	Watermass variability in the deep South Atlantic from MIS 2-6: New records from the Brazil Margin	062
Lars	Max	Timing is everything! Early surface-to-deep ocean changes in the subpolar Northwest Atlantic during Heinrich 1	063
Helen	McCrearor	Seasonal-scale El Niño processes from a ~400-year-long equatorial Pacific coral record 4,300 years ago	064
Andrew	McInnes	Reconstructing the ocean circulation during early-middle Eocene extreme climatic warmth	065
Laurie	Menni	Changes in North Atlantic intermediate and deep ocean circulation at the Last Glacial Maximum	066
North	Moffa Sanchez	Variability in the northern North Atlantic and Arctic oceans across the last two millennia: A review	067
Ahmad Taufiq	Mohtar	Climate History of the Western Pacific Warm Pool from Coral Proxies: Potential reconstruction of intensity and frequency of ENSO events over the past 400 years	068
Sujata	Murty	Mechanisms of Indo-Pacific oceanic exchange through the Indonesian Throughflow from seasonal to multi-decadal timescales using high-resolution ocean models and corals	069
Francisco	Muschiniello	Surface structure and transport of the North Atlantic Current during the past 1500 years	070
Igor	Niezwodzki	The effect of CO ₂ and subsurface anticyclonic confluences on the Late Cretaceous climate and the Arctic Ocean sea-ice formation	071
Mariano	Peral	Changes in temperatures and oxygen isotopic composition of the Mediterranean water through the EMPT at Montalban Jonico (south Italy) using clumped-isotope thermometer	072
Gabriel	Pontes	Understanding the mechanisms of the Mid-Pliocene Atlantic ITCZ changes and its impacts on tropical precipitation	073
James	Rae	High latitude controls on glacial CO ₂ and climate	074
Stefan	Rahmstorf	Is the modern AMOC slowdown unprecedented since more than a millennium?	075
Henrik	Safarik	Sea level ice variability in the Norwegian Sea during abrupt climate changes	076
Elisabeth	Sikes	Southern Pacific vertical structure and oceanic carbon storage since the Last Glacial Maximum: The Deep Gateway Influence	077
Louise	Sime	The impact of abrupt sea ice loss on Greenland water isotopes during the Last Glacial Period	078
Luke	Skinner	Potential role for the ocean circulation in abrupt mid-Heinrich atmospheric CO ₂ jumps	079
Amy	Soares	Atlantic Ocean Circulation Change at the Eocene-Oligocene Transition: A High-Resolution Record from Walvis Ridge	080
Stephanie	Staubank	Glacial-Interglacial South Asian Monsoon dynamics: A Multi-species foraminiferal approach	081
Tromana	Troczynski	Reconstructing early Holocene seasonal seawater temperatures in the North Atlantic using stable oxygen isotope composition of Arctica islandica (Bivalvia) shells	082
Robin	van der Ploeg	Surface ocean warming and hydrographic change in the North Atlantic during the Middle Eocene Climatic Optimum	083
Nishant	Vats	Paleoceanographic changes at East China Sea over the last 400 kyrs	084
Natalia	Vazquez Riveiros	Changes in the intensity of the Benguela upwelling during the last 40 ky	085
Amy	Wagner	Pre- to post-bomb radiocarbon in Gulf of Mexico and Caribbean scleractinian corals	086
Jian	Wang	Establishment of the isotopic geochemistry of Globobulimina ruber morphotypes in the South China Sea: Sediment trap evidences	087
Zhaokai	Xu	Paleoproductivity and paleoredox conditions in the Western Pacific Warm Pool during glacial periods: Forcing mechanisms and implications for atmospheric CO ₂ sequestration	088
Lathika	Nambiyathodi	Variability in the deep-water circulation of the Northern Indian Ocean during the quaternary glacial-interglacial cycles	089
Yiping	Yang	Deglacial warming intermediate water and upper Ocean heat content changes in the South China Sea	089
Maayan	Yehudai	The Atlantic Meridional Overturning Circulation Over Time From Nd Isotopes	090
Xu	Zhang	What causes the mid-Brunhes Transition in benthic δ18O stack?	091
Ocean Development and Climate System			
Jess	Adkins	Understanding Paleoclimatographic Tracers in Deep-Sea Corals from a Biomineralization Perspective	092
April	Abbott	The influence of clays on the global ocean's neodymium budget and paleocirculation reconstructions	093
Jessica	Amies	The effects of Mediterranean sea surface temperature evolution on the Mediterranean sea-level reconstruction	094
Shannon	Benetton	"Evaluating North Atlantic Deep Water depth and mean Atlantic δ ¹⁸ O from statistical reconstructions"	095
Kimberley	Bitterwolf	"Going Global with Groundwater": the role of submarine groundwater discharge (SGD) in marine isotope budgets	096
Louis	Clifton	Exploring the Carbon Isotope Composition of Coccoliths and Coccolith-Associated Polycarboxylates as a Proxy for CO ₂	097
Yama	Dixit	Exploring the application of Barium isotope systematics as a productivity proxy in Southeast Asian seawater and sediments	098
Daniel	Gaskell	A general metabolic model of intracellular vital effects in foraminifera	099
Jeroen	Groeneveld	Deciphering the variability in Mg/Ca and stable oxygen isotopes of individual foraminifera	100
Iván	Hernández-Almeida	Quantitative reconstructions of primary productivity in low latitudes during the Last Glacial Maximum and the mid-to-late Holocene from a global Florisphaera profunda calibration dataset.	101
Willem	Hulkamp	Simulating sea level changes in the POEM model	102
Anna	Jentzen	Unraveling the paleoceanographic record using multiple geochemical tools on individual planktic foraminifers	103
Jihun	Kim	Imprint of AABW dynamic on sedimentary mercury variations in the Scotia Sea, Antarctica.	104
Kelly-Ann	Lawler	Radiolarian-based Quaternary palaeoclimate reconstructions of the Sabrina Coast, East Antarctica.	105
Parker	Lauiaud	Using waveform pattern recognition to improve stratigraphic correlation and chronology in the early Pleistocene	106
Tom	Marchitto	Development of FORASOT, a robotic system for automated foram picking	107
Luz Maria	Mejia	Clumped isotopes in coccoliths: a new approach to surface ocean's reconstructions	108
Juliane	Mueller	A 220 year record of Antarctic Peninsula climate: the multi-proxy perspective	109
Stephen	Obrochta	A Rapid, Deterministic Age-Depth Modeling Routine for Geological Sequences With Inherent Depth Uncertainty	110
Werner	Piller	Dating serpentine mud volcanisms and seamount subduction and reconstructing paleoenvironmental conditions in the Mariana convergent margin system by micropaleontological proxies (IODP Expedition 366)	111
Janne	Repschlaeger	New cleaning method for simultaneous Mg/Ca and Na/Ca measurements in foraminifera	112
Rebecca	Robinson	Tracing the Nitrogen Isotopic Signature of Surface Nitrate into Sediments	113
Antoni	Rosell-Mele	Calibration of biomarkers as quantitative productivity proxies	114
Robert	Sherrill	Rare earth element patterns in hydrothermal metalliferous sediments: ground rules for interpretation of paleo-records	115
Fiona	Turner	Antarctic Uncertainty: Using Bayesian methods to learn more about past ice sheet shapes.	116
Claire	Waelbroeck	PARIS: a simple Paleoclimatology Archive System	117
Rong	Wang	Significant difference between geochemistry of Globobulimina ruber morphotypes in the South China Sea: Sediment trap evidences	118
Yan	Zhao	Reconstruction of Pliocene East Asian monsoons using individual foraminiferal analyses	119
Mélanie	Wary	Biomarker fingerprint of debris-flow deposits: a new proxy for last glacial IRD sources in the North Atlantic	124
Role of Southern Oceanographic Processes			
H. Eric	Amsler	Lithogenic fluxes and its influence on the strength of the biological pump in the SW Indian Ocean since the last glacial inception	120
Matthew	Chadwick	Reconstructing Antarctic sea-ice extent during MIS 5e	121
Chris	Cox	High-resolution multiproxy reconstruction of sea surface temperature at the subtropical western south Atlantic based on organic proxies over the Last Interglacial	122
Colin	Jones	Oceanographic controls on mid-Holocene nutrient consumption at Palmer Deep, West Antarctic Peninsula	123
Patrick	Rafter	The Antarctic stratification hypothesis: A critical role for iron recycling	125
Karl	Stein	Southern Ocean sea ice control of the glacial deep ocean ventilation	126
Lena M.	Thiele	Paleoceanographic changes in the Southern Ocean during Pleistocene glacial-interglacial cycles: Biomarker and dinocyst-based reconstructions	127
David	Wilson	Deglacial constraints on the global lower cell circulation from Drake Passage deep-sea corals	128