

ON THE COVER



- 1 Physical Properties Specialist Nana Kamiya (Nihon University, now at Kyoto University), IODP Expedition 370, Temperature Limit of the Deep Biosphere off Muroto. *Photo credit: Yusuke Kubo, JAMSTEC/CDEX EPM*
- 2 Logging and Physical Properties specialist Elizabeth Griffith (University of Texas at Arlington, USA) collects discrete samples from the working halves of each core for moisture and density analysis, IODP Expedition 355, Arabian Sea Monsoon. *Photo credit: William Crawford, IODP JRSO*
- 3 Paleontologist Oliver Friedrich (Institute of Geosciences, University of Frankfurt, Germany) cleaning a sieve in the paleontology prep lab, IODP Expedition 342, Newfoundland Sediment Drifts. *Photo credit: John Beck, IODP/TAMU*
- 4 Outi Hyttinen (Geological Survey of Finland) describes cores during the IODP Expedition 347, Baltic Sea Paleoenvironment, onshore science party at the IODP Bremen Core Repository. *Photo credit: A. Gerdes, ECORD-IODP*
- 5 Petrophysics/Downhole Measurements Specialist Srisharan Shreedharan (Pennsylvania State University, USA) takes a penetrometer measurement, IODP Expedition 375, Hikurangi Subduction Margin. *Photo credit: Tim Fulton, IODP JRSO*
- 6 Sedimentologist Francesca Meneghini (Università degli Studi di Pisa, Italy) and Structural Geologist Ake Fagereng (Cardiff University, UK) at the core description table, IODP Expedition 375, Hikurangi Subduction Margin. *Photo credit: Patrick Fulton & IODP*
- 7 Sedimentologist Shunli Li (China University of Geosciences, Beijing) examines a core during the IODP Expedition 381, Corinth Active Rift Development, onshore science party at the IODP Bremen Core Repository. *Photo credit: V. Diekamp, ECORD/IODP*
- 8 Sedimentologist Karen Strehlow (GEOMAR Helmholtz Centre for Ocean Research Kiel, Germany) makes core description notes, IODP Expedition 376, Brothers Arc Flux. *Photo credit: William Crawford, IODP JRSO*
- 9 Paleontologist Thiago Pereira dos Santos (Universidade Federal Fluminense, Brazil) works at the sample table, IODP Expedition 361, South African Climates. *Photo credit: Tim Fulton, IODP JRSO*
- 10 Physical Properties Specialist/Petrophysics Iona McIntosh (JAMSTEC, Japan), IODP Expedition 376, Brothers Arc Flux. *Photo credit: Kannikha Kolandaivelu & IODP*
- 11 Inorganic Geochemist Kelly Gibson (University of South Carolina, USA) works with a whole round core section in the chemistry lab, IODP Expedition 363, Western Pacific Warm Pool. *Photo credit: William Crawford, IODP JRSO*
- 12 Structural Geologist Oliver Pluemper (Utrecht University, Netherlands) at the core description table, IODP Expedition 360, SW Indian Ridge Lower Crust and Moho. *Photo credit: William Crawford, IODP JRSO*
- 13 Sedimentologist Hannah Rabinowitz (Lamont-Doherty Earth Observatory, Columbia University, USA) at the sampling table, IODP Expedition 375, Hikurangi Subduction Margin. *Photo credit: Tim Fulton, IODP JRSO*

- 14 Sedimentologist Satoshi Tonai (Kochi University, Japan) watching a CT-scan image, IODP Expedition 370, Temperature Limit of the Deep Biosphere off Muroto. *Photo credit: Yusuke Kubo, JAMSTEC/CDEX EPM*
- 15 Organic Geochemist Lauren O'Connor (Oxford University, UK) prepares a fresh sample to be tested in the chemistry laboratory, IODP Expedition 369, Australia Cretaceous Climate and Tectonics. *Photo credit: William Crawford, IODP JRSO*
- 16 Calcareous Nannofossil Paleontologist Claire Routledge (Florida State University, USA) prepares a microscope slide from the latest core, IODP Expedition 355, Arabian Sea Monsoon. *Photo credit: William Crawford, IODP JRSO*
- 17 Inorganic Geochemist Mark Kendrick (The Australian National University, Australia) examines a thin section under the microscope, IODP Expedition 360, SW Indian Ridge Lower Crust and Moho. *Photo credit: Alejandra Martinez & IODP*
- 18 Petrophysicist Mai-Linh Doan (University Grenoble Alpes, France) takes physical properties measurements on a core during the IODP Expedition 381, Corinth Active Rift Development, onshore science party at the IODP Bremen Core Repository. *Photo credit: V. Diekamp, ECORD/IODP*
- 19 Sedimentologist Junichiro Kuroda (University of Tokyo, Japan) investigates a thin section using a petrographic microscope, IODP Expedition 369, Australia Cretaceous Climate and Tectonics. *Photo credit: William Crawford, IODP JRSO*
- 20 Paleontologist Xuan Ding (China University of Geosciences) splits samples for foraminifer counts, IODP Expedition 353, Indian Monsoon Rainfall. *Photo credit: William Crawford, IODP JRSO*
- 21 Sedimentologist Gerald Auer (University of Graz, Austria) preparing to take a smear slide sample from the working half of a core section, IODP Expedition 356, Indonesian Throughflow. *Photo credit: William Crawford, IODP JRSO*
- 22 Core Description Scientist Jianghong Deng (University of Science and Technology of China) and organic geochemist Olivier Sissmann (IFP Energies Nouvelles, France) sample a core, IODP Expedition 366, Mariana Convergent Margin. *Photo credit: Tim Fulton, IODP JRSO*
- 23 Inorganic Geochemist Hideko Takayanagi (Tōhoku University, Japan) performing an ammonium analysis in the chemistry laboratory, IODP Expedition 356, Indonesian Throughflow. *Photo credit: William Crawford, IODP JRSO*
- 24 Sedimentologist Kaoru Kubota (University of Tokyo, Japan) works with a core in the Core Lab, IODP Expedition 361, South African Climates. *Photo credit: Tim Fulton, IODP JRSO*
- 25 Sedimentologist Joyeeta Bhattacharya (Rice University, USA) at the core description table, IODP Expedition 371, Tasman Frontier Subduction and Climate. *Photo credit: Michelle Drake & IODP*
- 26 Inorganic Geochemist John Kirkpatrick (University of Rhode Island, USA) prepares a dilution for pore water sample analysis, IODP Expedition 353, Indian Monsoon Rainfall. *Photo credit: William Crawford, IODP JRSO*
- 27 Physical Properties Specialist Nambiyathodi Lathika (National Centre for Antarctic and Ocean Research, India) samples the working half core, IODP Expedition 361, South African Climates. *Photo credit: Tim Fulton, IODP JRSO*
- 28 Core Description Scientist Baptiste Debret (University of Cambridge, UK) works at the Section Half Image Logger, IODP Expedition 366, Mariana Convergent Margin. *Photo credit: Katsuyoshi Michibayashi & IODP*
- 29 Microbiologist Tatsuhiko Hoshino is scraping contaminated core surface under the anaerobic condition, IODP Expedition 337, Deep Coalbed Biosphere off Shimokita. *Photo credit: Fumio Inagaki, JAMSTEC*
- 30 Organic Geochemist Hannah Liddy (University of Southern California, USA) injects a headspace gas sample into a gas chromatograph to measure the amount of methane in the core, IODP Expedition 355, Arabian Sea Monsoon. *Photo credit: William Crawford, IODP JRSO*
- 31 Sedimentologist Romain Hemelsdaël (University of Montpellier, France) describes the archive half of the core during the IODP Expedition 381, Corinth Active Rift Development, onshore science party at the IODP Bremen Core Repository. *Photo credit: V. Diekamp, ECORD/IODP*
- 32 Igneous Petrologist Natsue Abe (JAMSTEC, Japan) works at the microscope, IODP Expedition 345, Hess Deep. *Photo credit: William Crawford, IODP JRSO*
- 33 Physical Properties Specialist Rajeev Saraswat (National Institute of Oceanography, India) runs whole-round core sections through the Whole-Round Multisensor Logger, IODP Expedition 355, Arabian Sea Monsoon. *Photo credit: William Crawford, IODP JRSO*
- 34 Sedimentologist Alejandra Cartagena-Sierra (University of Notre Dame, USA) collects rhizon samples from the core in the downhole lab. IODP Expedition 361, South African Climates. *Photo credit: Tim Fulton, IODP JRSO*
- 35 Organic Geochemist Thorsten Bauersachs (Christian-Albrechts-University, Germany) takes samples at the sampling table, IODP Expedition 379, Amundsen Sea. *Photo credit: Tim Fulton, IODP JRSO*
- 36 Stratigraphic Correlator Sietske Batenburg (University of Oxford, UK), IODP Expedition 369, Australia Cretaceous Climate and Tectonics. *Photo credit: William Crawford, IODP JRSO*