

Unofficial EGU OS1.6 Improved Understanding of Ocean Variability and Climate

Zoom Meeting, Wednesday 13th May, 1400-1730 British Summer Time (BST)/ Central European Time (CET). 1500-1830 Central European Summer Time.

Conveners: Simon Josey, Léon Chafik, Damien Desbruyeres, Yavor Kostov, Iselin Medhaug

1345 BST/CET Zoom Meeting opens

1355-1400 Brief Introduction Simon Josey

1400-1530 BST/CET Session 1 Chairs: Léon Chafik, Iselin Medhaug

1400-1415 EGU2020-5575 Invited Talk: The mean state and variability of the North Atlantic circulation: a perspective from ocean reanalyses. Highlight.

Laura Jackson, Clotilde Dubois, Gael Forget, Keith Haines, Matt Harrison, Dorotea Iovino, Armin Kohl, Davi Mignac, Ssimona Masina, Drew Peterson, Christopher Piecuch, Chris Roberts, Jon Robson, Andrea Storto, Takahiro Toyoda, Maria Valdivieso, Chris Wilson, Yiguo Wang, and Hao Zuo

1415-1430 EGU2020-3628 Pathways and time scales of ocean heat uptake and redistribution in a global ocean-ice model. Highlight.

Alice Marzocchi, George Nurser, Louis Clement, and Elaine McDonagh

1430-1445 EGU2020-4696 Historical ocean heat uptake in CMIP6 Earth System models: global and regional perspectives

Till Kuhlbrodt, Aurore Voldoire, Matthew Palmer, Rachel Killick, and Colin Jones

1445-1500 EGU2020-3703 Human-induced changes to the global ocean water masses and their time of emergence

Yona Silvy, Eric Guilyardi, Jean-Baptiste Sallée, and Paul Durack

1500-1515 EGU2020-18438 Intercomparison of anthropogenic ocean heat uptake processes in AOGCMs. Highlight.

Matthew Couldrey and Jonathan Gregory

1515-1530 EGU2020-18974 New Insight Into the Formation and Evolution of the East Reykjanes Ridge Current and Irminger Current

Virginie Thierry, Tillys Petit, and Herlé Mercier

Short Break

1545-1715 BST/CET Session 2 Chairs: Damien Desbruyeres, Yavor Kostov

1545-1600 EGU2020-5978 **Invited Talk: Argo Beyond 2020: Towards a global, full-depth multidisciplinary array. Highlight.**

Susan Wijffels, Toshio Suga, and Dean Roemmich and the Argo Steering Team

1600-1615 EGU2020-13069 **A global Biogeochemical Argo pilot array: Southern Ocean Carbon and Climate Observations and Modeling (SOCCOM) profiling floats and results. Highlight.**

Lynne Talley, Kenneth Johnson, Stephen Riser, Jorge Sarmiento, Joellen Russell, Emmanuel Boss, Matthew Mazloff, and Susan Wijffels

1615-1630 EGU2020-9280 **Along-stream evolution of Gulf Stream volume transport and water properties from underwater glider observations**

Joleen Heiderich and Robert E. Todd

1630-1645 EGU2020-10226 **Historical Reconstruction of Anthropogenic Carbon and Excess Heat Content in the Subtropical North Atlantic Ocean. Highlight.**

Herle Mercier and Marie-Jose Messias. **Highlight.**

1645-1700 EGU2020-6123 **Temporal Variability of the Meridional Overturning Cells in the South Atlantic**

Marion Kersalé, Christopher Meinen, Renellys Perez, Matthieu Le Hénaff, Daniel Valla, Tarron Lamont, Olga Sato, Shenfu Dong, Thierry Terre, Mathias van Caspel, Maria Paz Chidichimo, Marcel van den Berg, Sabrina Speich, Alberto Piola, Edmo Campos, Isabelle Ansorge, Denis Volkov, Rick Lumpkin, and Silvia Garzoli

1700-1715 EGU2020-6157 **Effect of mesoscale eddies on subtropical mode water formation and ocean heat storage**

Yanxu Chen, Sabrina Speich, and Laurent Bopp

1715-1730 EGU2020-5476 **The Water Mass Transformation Framework for Ocean Physics and Biogeochemistry** (*title to be revised).

Sjoerd Groeskamp

1730-1745 BST/CET Closing Discussion. This will include an opportunity to ask any questions held over from earlier talks due to time constraints.