

Posters

Session 1: The relative role of AMOC in setting AMV spatial patterns and timescale

1. *An investigation on the relationship between North Atlantic climate variabilities and the dominant role of oceanic conditions*, **Abhinav Rajalakshmi Subrahmanian**
2. *Two regimes of Atlantic multidecadal oscillation: cross-basin dependent or Atlantic-intrinsic*, **Mengrong Ding**
3. *Low-frequency AMOC variability: mechanism and impacts*, **Weimin Jiang**
4. *Mid-20th Century Atlantic Circulation informed by Modern Observations and Models*, **Guillaume Hug**
5. *Tropical Indo-Atlantic temperature gradient modulates multi-decadal AMOC variability in models and observations*, **Brady Ferster**
6. *A possible control of the meridional overturning circulation (MOC) by the Antarctic stratosphere*, **Tatsuro Karaki**

2. Factors controlling TBI at different timescales and their modulation

7. *Triple-dip La Niña in 2020-23: North Pacific footprint drives the 2nd year La Niña*, **Tomoki Iwakiri**
8. *Boosting effect of the strong western pole of the Indian Ocean Dipole on El Niño decay*, **Jia Wu**
9. *Non-ENSO Precursors for Northwestern Pacific Summer Monsoon Variability with Implications for Predictability*, **Pengcheng Zhang**
10. *Chlorophyll-a as an indicator of tropical basin interactions*, **Elena Calvo Miguélez**
11. *Investigating the Atlantic-Indian summer monsoon multidecadal teleconnections in the PMIP3/CMIP5 Last Millennium simulations*, **Arijeet Dutta**
12. *Lagged Interactions between South Atlantic and Equatorial Pacific SSTs and the mediating role of the South American Monsoon*, **Fabio Bellacanzone**
13. *Evaluating the South Atlantic Ocean Dipole impacts on West African precipitation in CMIP6 Model Simulations*, **Uzoma Nworgu**
14. *Drivers and impact of the 2021 extreme warm event in the tropical Angolan upwelling system*. **Rodrigue Anicet Imbol Koungue**
15. *Impact of equatorial waves on rainfall modulation in Cameroon*, **Idene-Flore Mantho**
16. *Revisiting the tropical Atlantic western boundary circulation from a 25-year time series of satellite altimetry data*, **Djoirka Minto Dimoune**
17. *Quasi-decadal to interdecadal ocean surface temperature variability in the Southern Benguela Upwelling System*, **Folly Serge Tomety**

3. Model simulations of AMV/AMOC interaction and TBI

18. *Changes in the relationship between the North Atlantic and Tropical Pacific due to climate change in the CMIP model*, **Jigwang Kim**
19. *Determining dynamical drivers of intra-basin differences in spectral slope from the CESM Last Millennium Ensemble*, **Noah Rosenberg**
20. *Improved Extratropical North Atlantic Atmosphere–Ocean Variability with Increasing Model Resolution*, **Casey Patrizio**
21. *Impact of the location of tropical convection on climate variability*, **Lucía Montoya-Carramolino**
22. *Tropical subsurface dynamic adjustment and pattern formation responses to idealized subtropical low cloud forcing*, **Matthew Luongo**
23. *North Atlantic Oscillation impact on the Atlantic Meridional Overturning Circulation shaped by the mean state*, **Hyojeong Kim**
24. *Strongly forced North Atlantic decadal variability within anomaly initialized CESM2 decadal reforecast experiments*, **Natalie Burls**

4. AMV/AMOC and TBI in a warming climate

25. *Past, present, and future impacts of the Atlantic equatorial mode of variability on the boreal summer Guinea Coast rainfall characteristics*, **Koffi Worou**
26. *Multi model evidence of future tropical Atlantic precipitation change modulated by AMOC decline*, **Giada Cerato**
27. *Simulating AMOC collapses driven by internal climate variability with a rare event algorithm*. **Matteo Cini**
28. *Recent warming of Greenland in the early summer and its link to atmospheric blocking trends in the Northern Atlantic sector*. **Michele Filippucci**
29. *Impacts of Atlantic Meridional Overturning Circulation decline on Euro-Atlantic circulation patterns*, **Andrea Vito Vacca**
30. *Transient and Equilibrium Responses of the Atlantic Meridional Overturning Circulation to Radiative Forcing*, **Paul Curtis**
31. *South Atlantic Meridional Overturning Circulation in present and future climate from the Community Earth System Model, Version 2, Large Ensemble Project: impacts on the heat balance*, **Maurício Rocha**
32. *Ocean-atmosphere processes in response to climate change in the tropical south Atlantic*, **Isabelle Vilela De Oliveira**