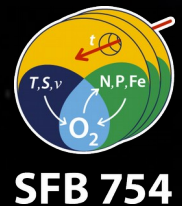


Forcing the Atlantic equatorial deep jets:

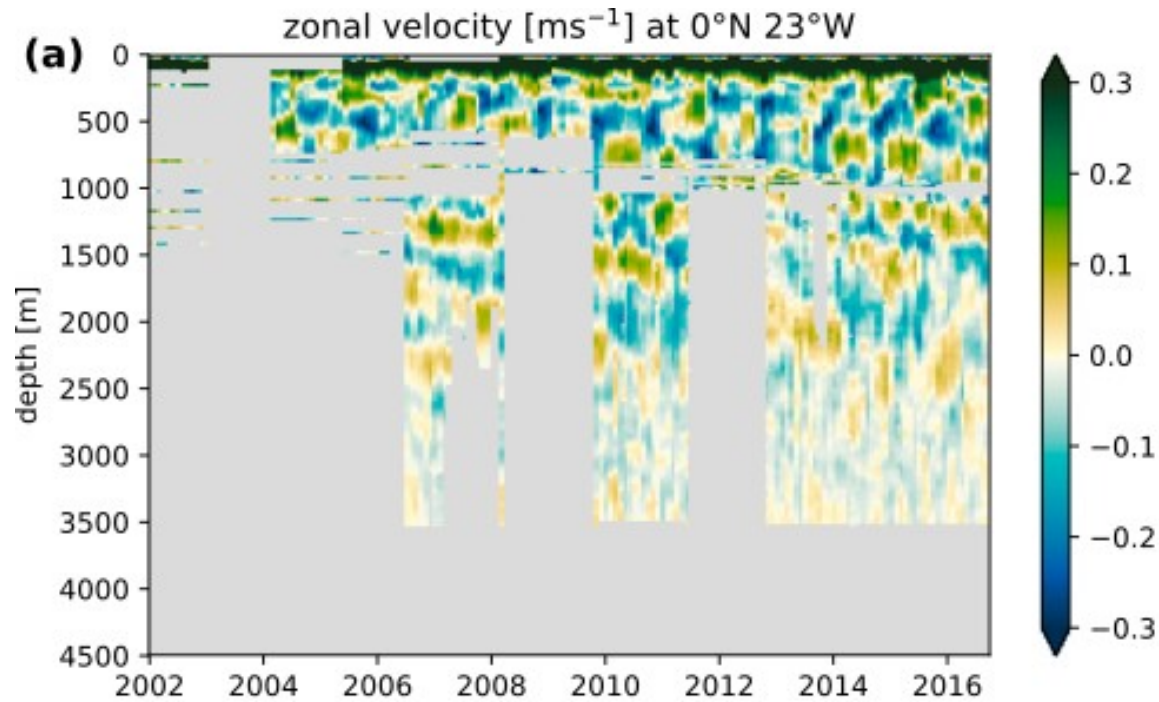
A basin-wide reconstruction of the
intraseasonal eddy momentum flux

Swantje Bastin, Martin Claus, Peter Brandt, Richard J. Greatbatch



What is this about?

Equatorial deep jets:

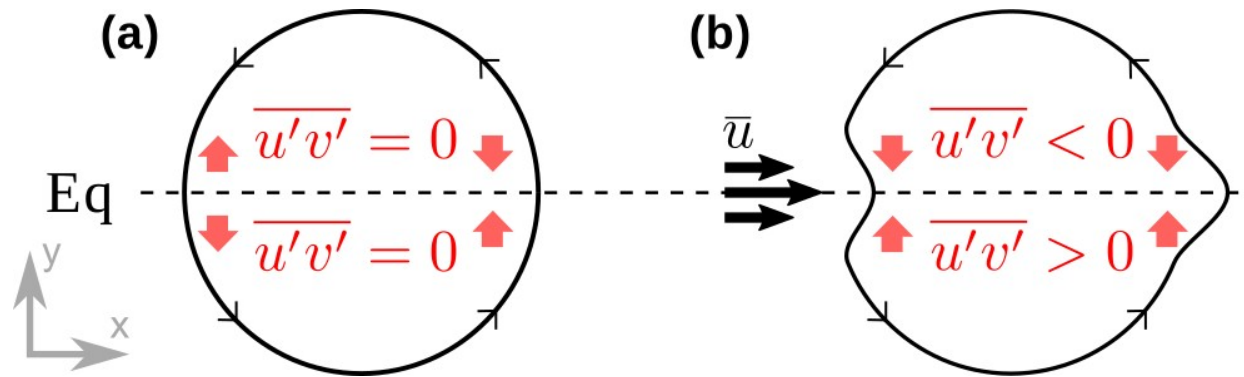


(Greatbatch et al., 2018)

What is this about?

Hypothesised maintenance mechanism:

convergence of the meridional flux of intraseasonal zonal momentum



(Greatbatch et al., 2018)

Idea:

- diagnose the intraseasonal eddy momentum flux convergence associated with the EDJ
- use this as sole forcing in model
 - How important is the mechanism?
 - Can it be used to force EDJ in a model?
 - What is the influence on the mean flow?

If you want to know the answers, come to my poster!