



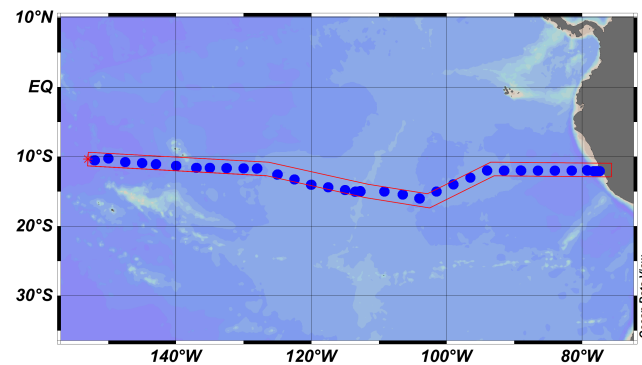
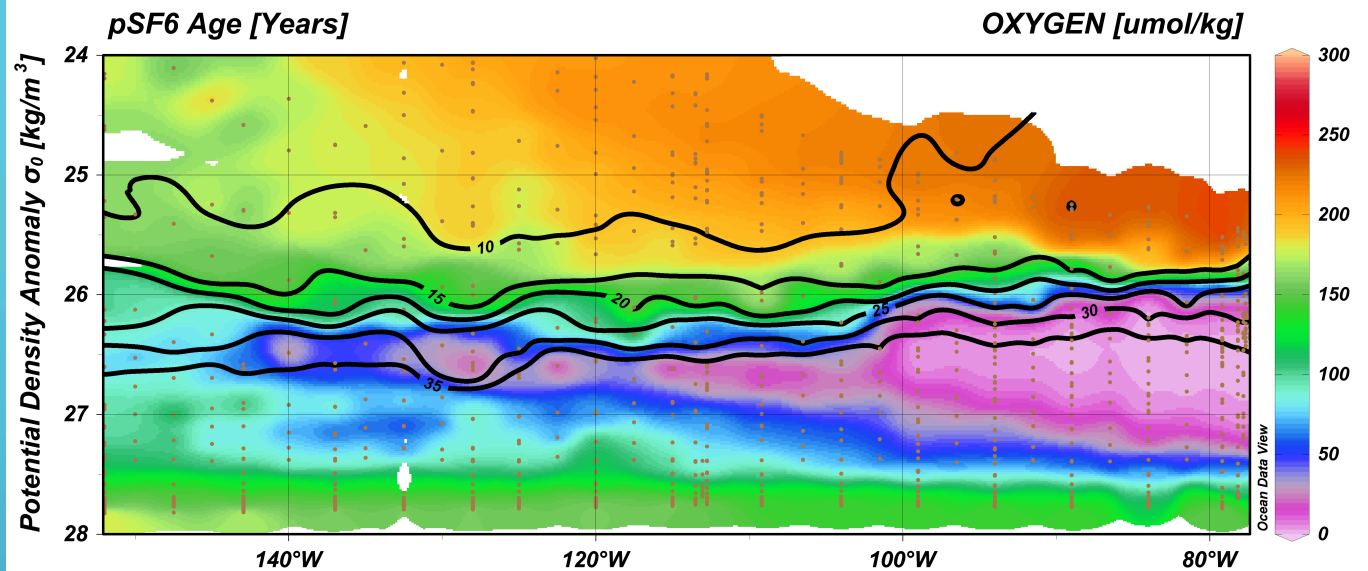
MOLLY MARTIN, RSMAS UNIVERSITY OF MIAMI

GEOTRACES OCB WORKSHOP

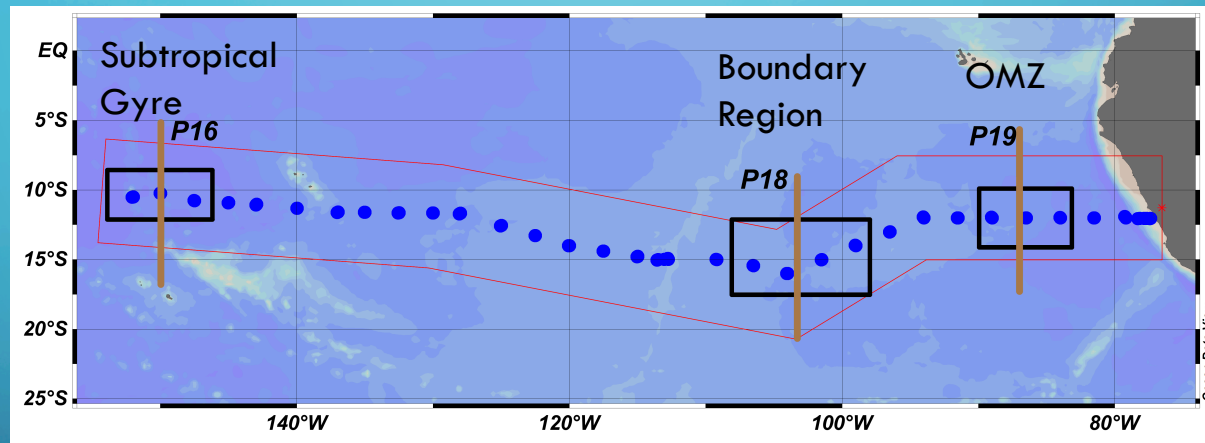
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Circulation tracers were measured on EPZT to get constraints on water mass ages

Why does oxygen and age relationship differ between OMZ and Gyre?



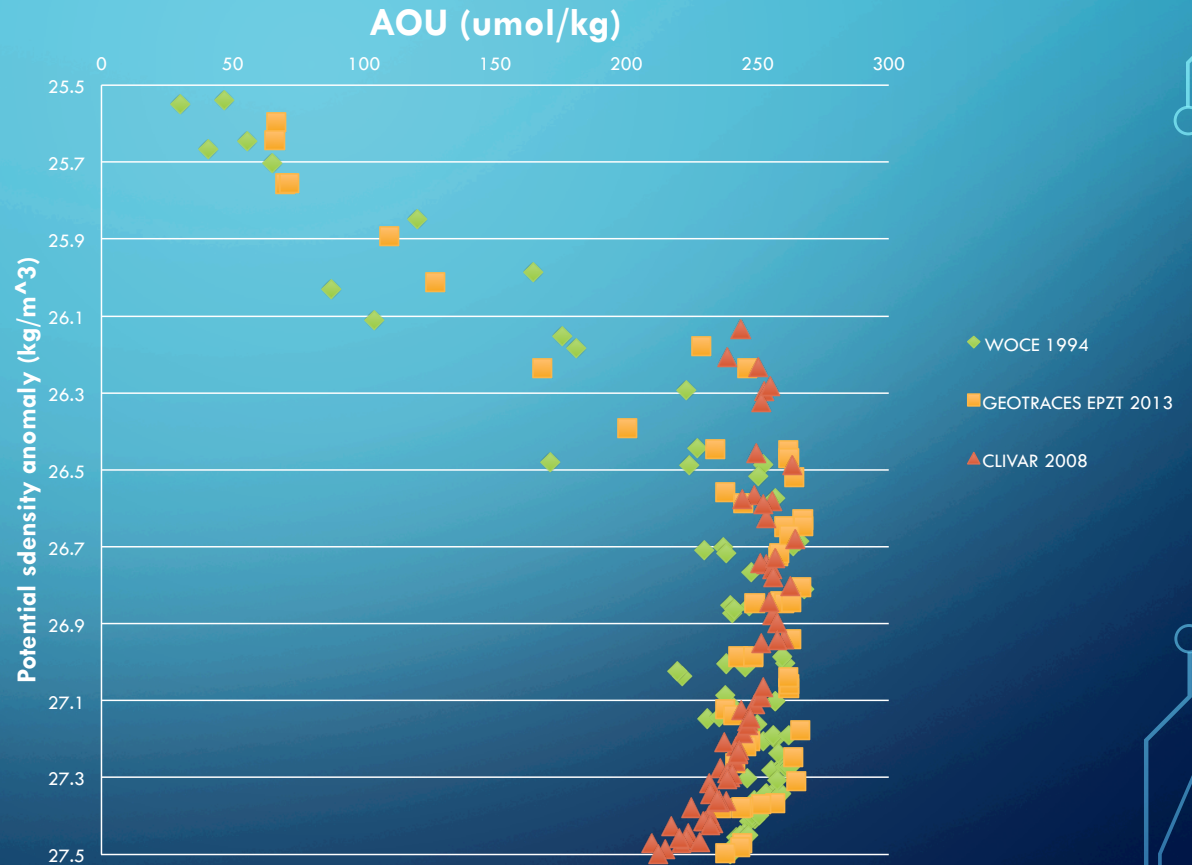
PUTTING GEOTRACES DATA IN HISTORICAL CONTEXT



- Map of 2013 GEOTRACES cruise track. Black boxes show latitude/longitude extent of comparison regions. Red lines show locations of WOCE and CLIVAR transects.

Looking at western
edge of OMZ
(boundary region)
No significant
changes over ~20 years

Next Step: using
circulation tracers to
calculate OUR



OUR EPZT OMZ

$$\text{OUR} = \text{AOU} / (\text{Transient Tracer Age})$$

Value of OUR depends on which tracer age is used (ie. CFC12 vs SF6)

