Title: Wintertime cooling of the Kuroshio: experimenting with simple air-sea interaction models

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Caption:

An analysis of ERA5 reanalysis data in the Kuroshio Extension (KE) region does not show statistically significant correlations between ocean mesoscale eddy activity (represented by the length of the 0.4m sea surface height anomaly contour) and winter time mean air-sea turbulent heat fluxes, in disagreement with observational studies. Simple air-sea interaction models are presented, and the results suggest that weak sea surface temperature anomalies near the KE in the ERA5 reanalysis data could be responsible for the aforementioned disagreement.

