

Supplementary Materials for

Polarity and direction dependence of energetic cross-frontal eddy transport in the Southern Ocean's Pacific sector

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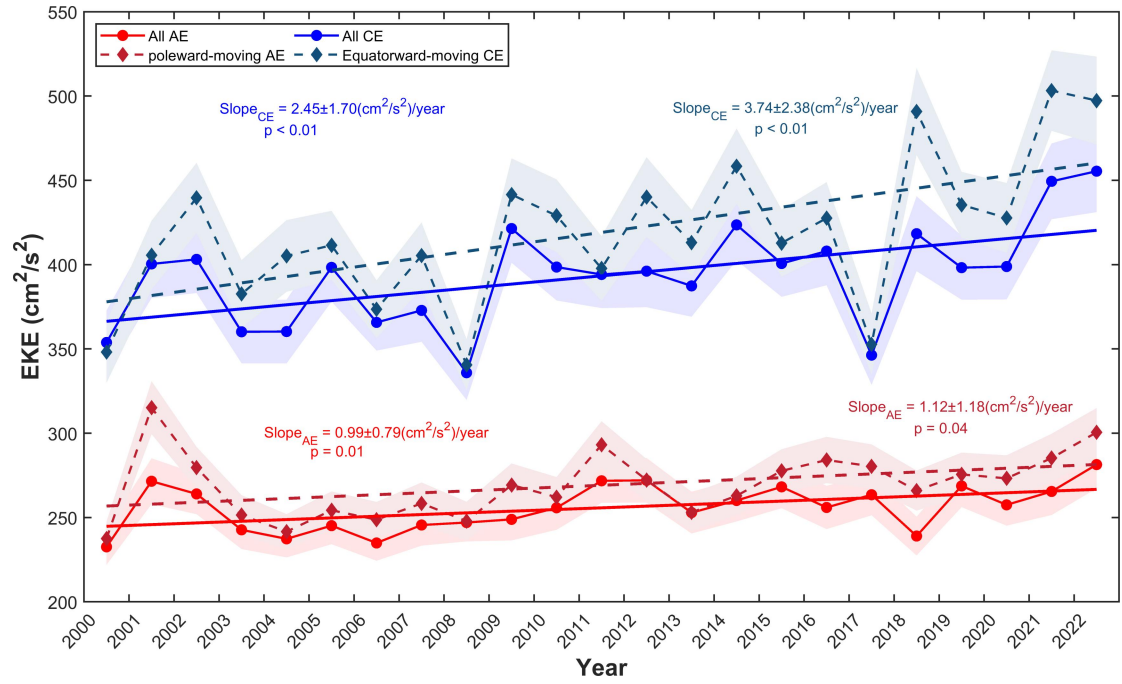


Figure S1. Annual mean EKE (calculated as $EKE = EKE_T / S$, where S is the total area of an eddy) for all AEs and CEs are depicted by light red and light blue solid lines, respectively, with their linear trends indicated by solid lines in the same colors. Superimposed are the extracted subsets of poleward-moving AEs and equatorward-moving CEs, depicted by light red and light blue dashed lines, with their linear trends shown by dashed lines in the same respective colors. Error shadings represent one standard deviation, and slope values are given with $\pm 95\%$ confidence intervals.

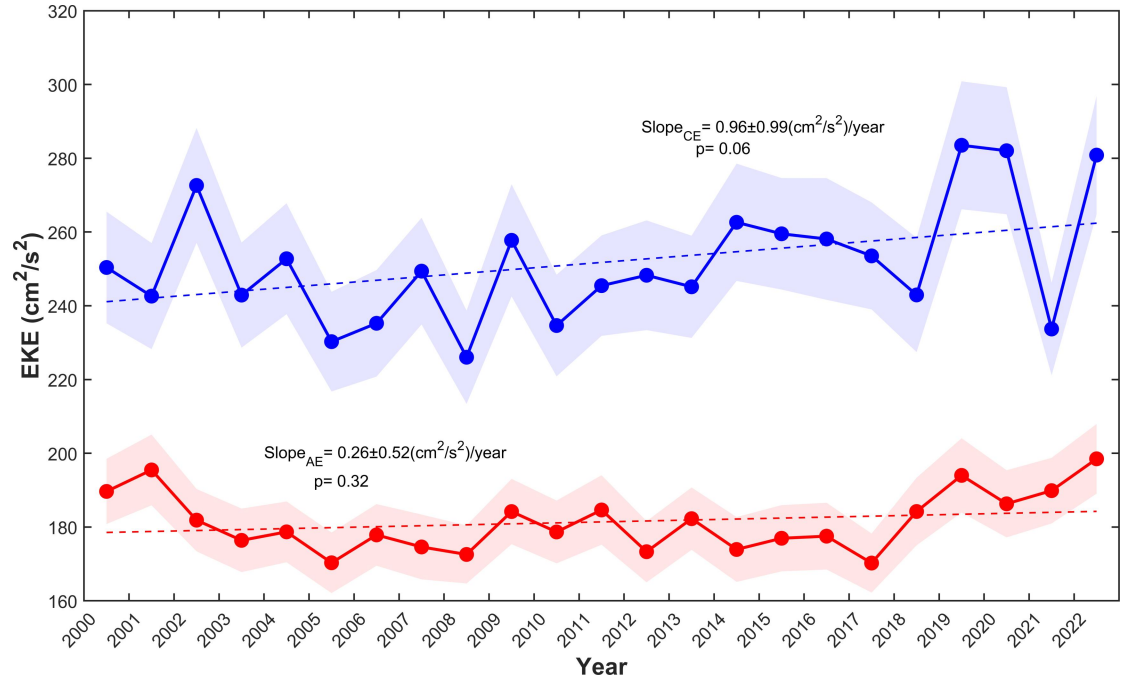


Figure S2. Time series of annual mean EKE for eddies in the interfrontal zones. EKE is shown by blue solid line for CEs and red solid line for AEs, with linear regression indicated by dashed lines, error shadings representing one standard deviation, and slope values given with $\pm 95\%$ confidence intervals.