

Geoscience Letters

Supporting Information for

Asymmetric modulation of winter mixed layer depth induced by
mesoscale eddies alongside the Kuroshio Extension jet

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Introduction

This supporting information file provides three figures (Figure S1-S3) with information which are not shown in the main article.

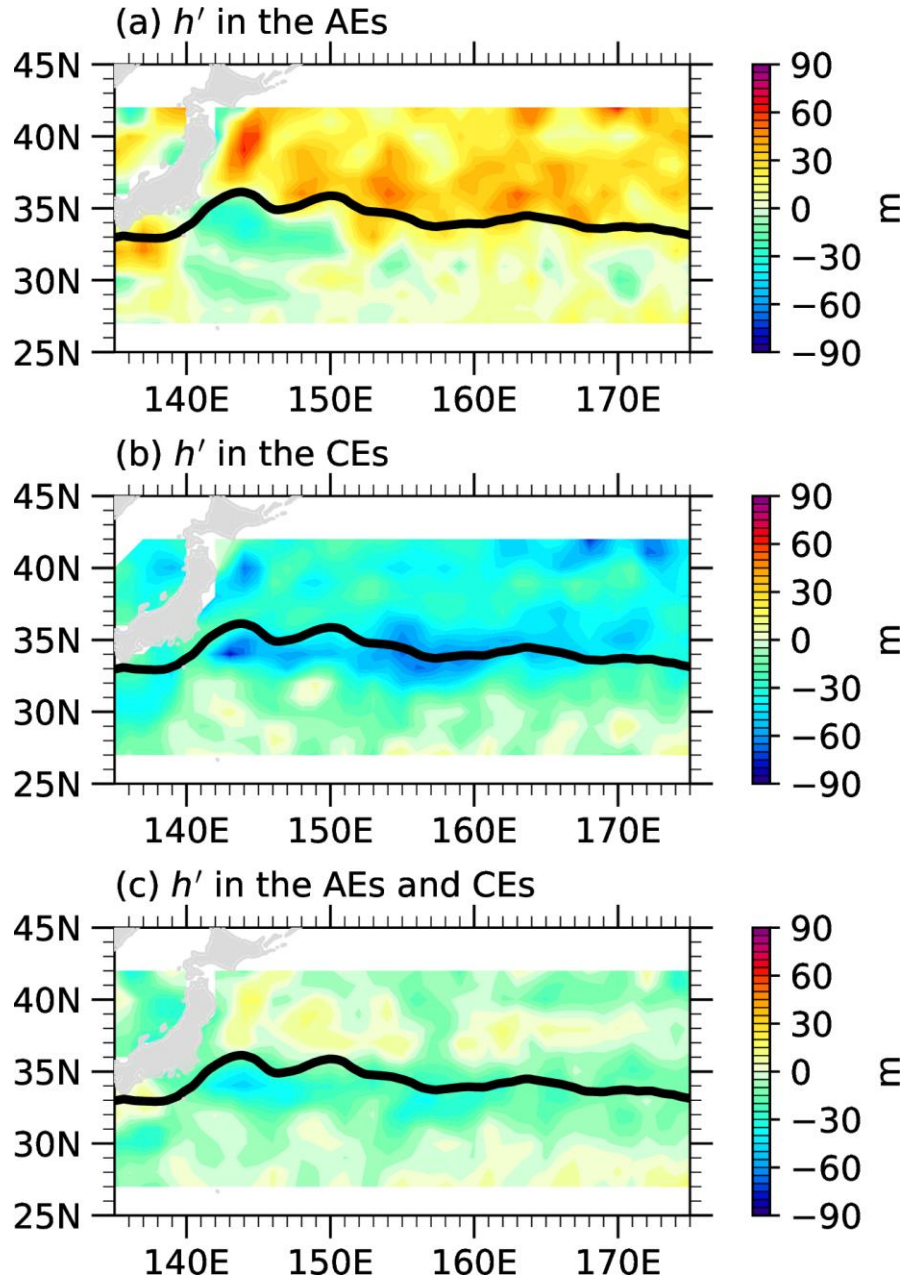


Fig. S1 MLD anomalies (h') in the OFES simulation gridded on $1^\circ \times 1^\circ$ grid in (a) the AEs, (b) the CEs, and (c) both of the AEs and CEs.

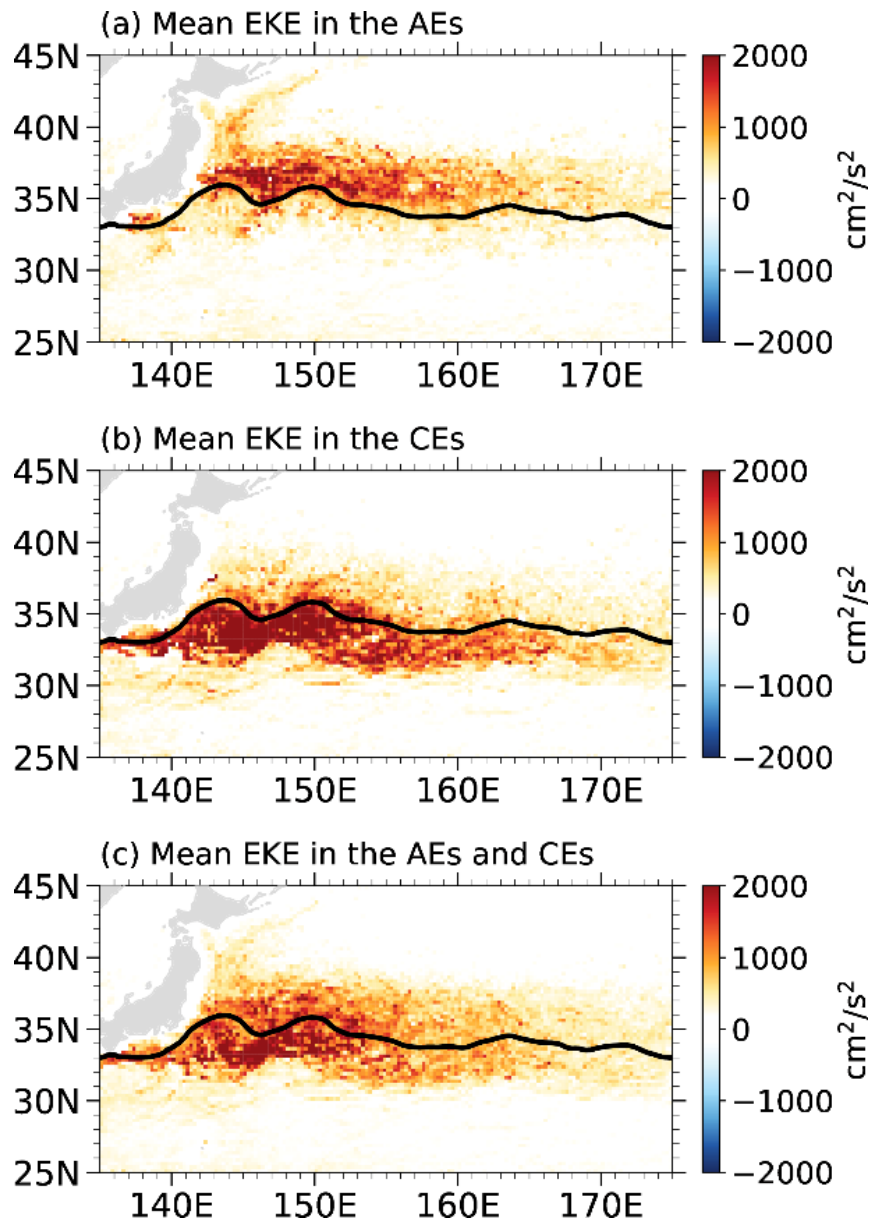


Fig. S2 Eddy kinetic energy in (a) the AEs, (b) CEs and (c) both of the AEs and CEs gridded on the $0.25^\circ \times 0.25^\circ$ grid from Argo observations.

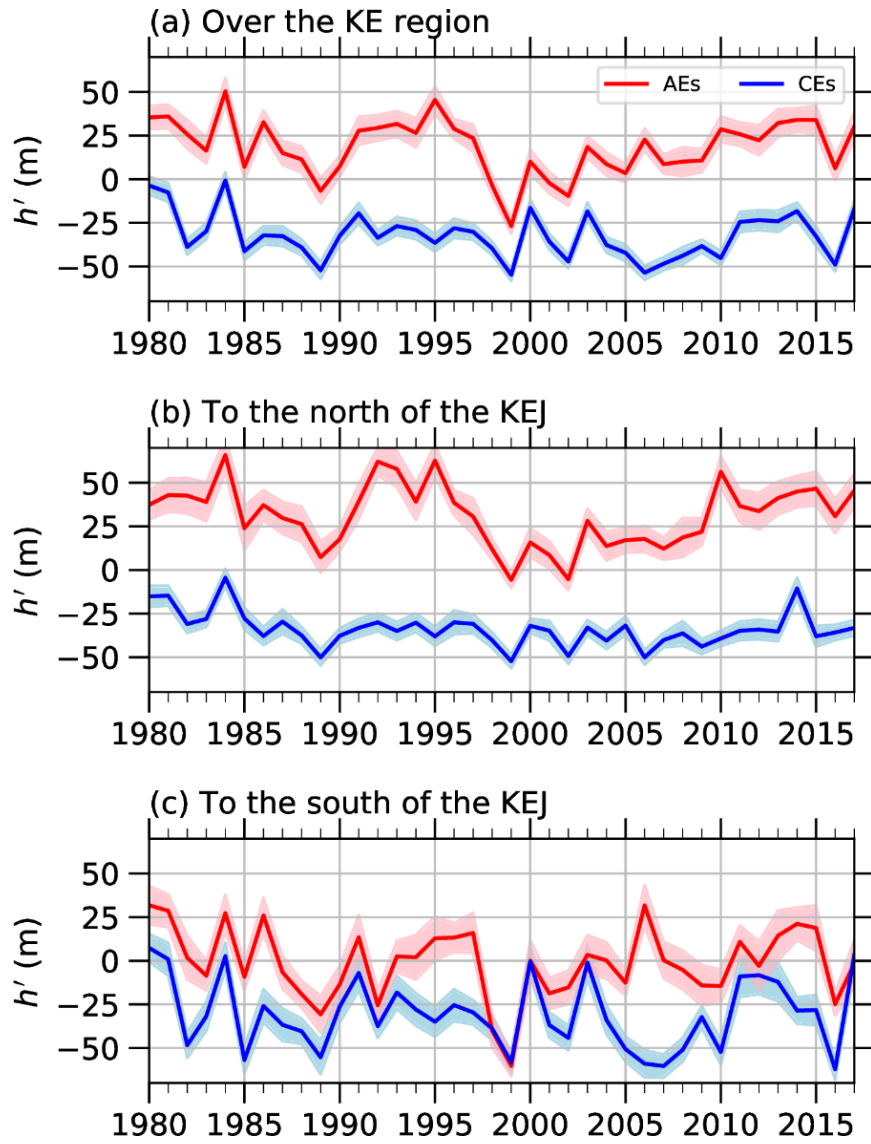


Fig. S3 Variability of winter h' (left column) in the AEs and CEs (a, d) over the KE region, (b, e) to the north of the KEJ, and (c, f) to the south of the KEJ from 1980 to 2017 in the OFES simulation.