8-11-2023

Supporting Data for Figures in "Mixing of the Connecticut River plume during ambient flood tides: Spatial heterogeneity and contributions of bottom-generated and interfacial mixing"

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This archive contains the supporting data for figures in the manuscript "Mixing of the Connecticut River plume during ambient flood tides: Spatial heterogeneity and contributions of bottom-generated and interfacial mixing" by Michael M. Whitney. The objectives of this modeling study are 1) characterizing the spatial heterogeneity of turbulent buoyancy fluxes, 2) partitioning turbulent buoyancy fluxes into bottom-generated and interfacial shear contributions, and 3) quantifying contributions to plume-integrated mixing within the tidal plume. Data are from the Regional Ocean Modeling System (ROMS) results for idealized model configurations. The Zip file (Figure_data.zip) contains MATLAB data files, which are named FigureXX_data.mat. Variable names and units correspond to graphed data of each figure in manuscript. Full descriptions of research methods and results are included in manuscript.

List of MATLAB data files:
Figure01_data.mat
Figure02_data.mat
Figure03_data.mat
Figure04_data.mat
Figure05_data.mat
Figure06_data.mat
Figure07_data.mat
Figure08_data.mat
Figure09_data.mat
Figure10_data.mat