2023 State of the NEP Meso- and Submesoscales

Why?

- Carry heat, nutrients, gasses from coastal to offshore
- Simulations can assimilate physics, harder to assimilate biogeochemistry
- Better understand mixing processes

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Physics

Group

- Strong temperature

Work to be done!

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-132

-130

Longitude

-128

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-134

Combining methods:

Understanding and measuring mesoscales requires a variety of approaches and statistics to make progress



 10^{-6}

 10^{-3}

 10^{-2}

 10^{-1}

10⁻³

 10^{-2}

k_x [cpkm]

 10^{-1}