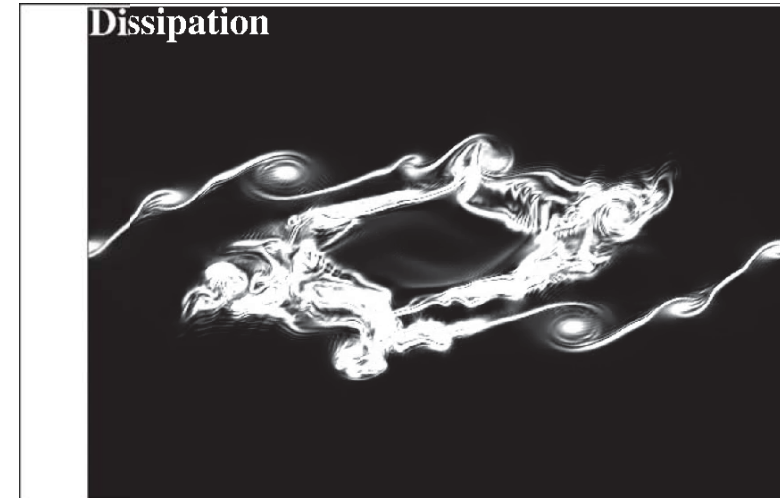
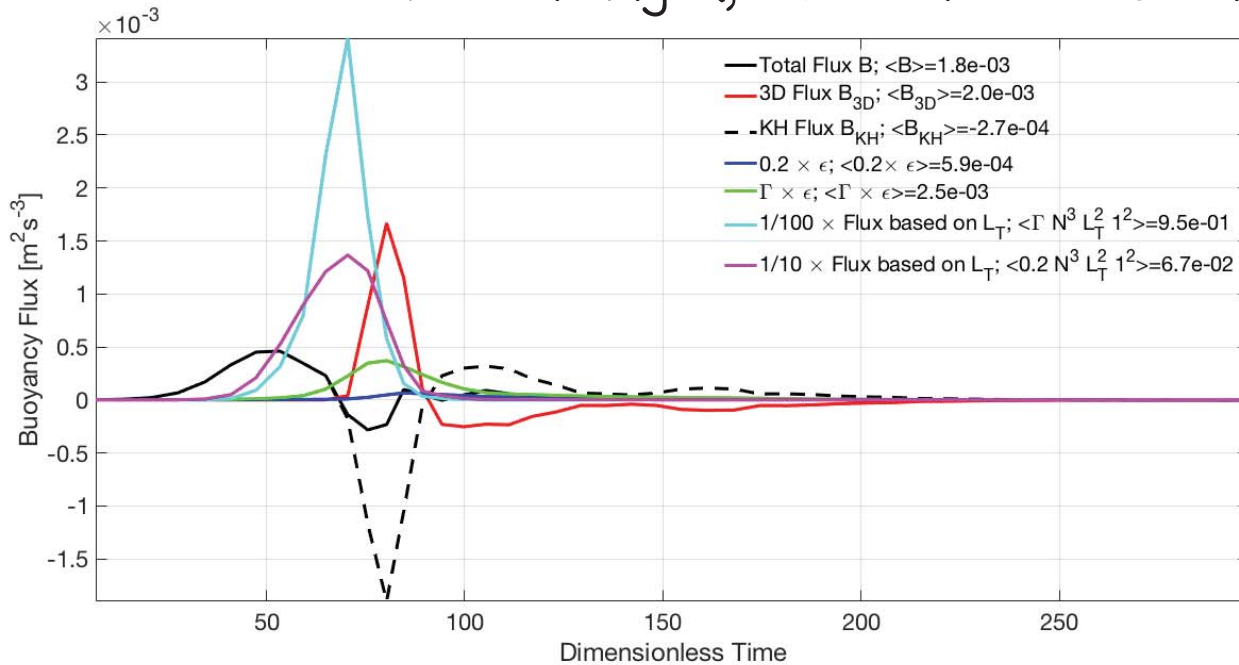


# On Sampling of Turbulence

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Imagine the turbulence event in the top right panel. You can infer mixing from it by using various commonly used methods and get results that are uncertain within 2 orders of magnitude (top-left panel). You can also ask “how many times do you need to sample it to get the mixing right?” the answer to which is “often way more than we can afford to observationally” (bottom-left). This project looks into these issues and tries to propose solutions that help us infer mixing rates from under-sampled turbulence observations.

