

Supplementary Information for
“Seasonal stratification and complex local dynamics control the
sub-surface structure of marine heatwaves in Eastern Australian
coastal water”

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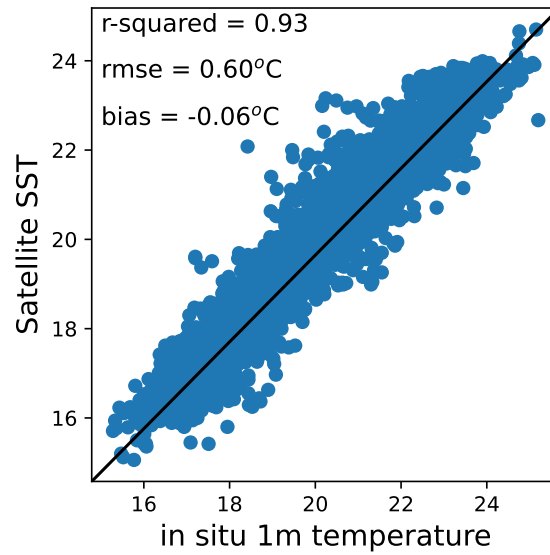


Figure S1: Comparison between satellite SST and *in situ* temperature measured at ORS065 mooring at 1m depth between 1992 and 2006 (in °C). The negative bias shows a slight overestimation of the *in-situ* temperature compared to the SST.

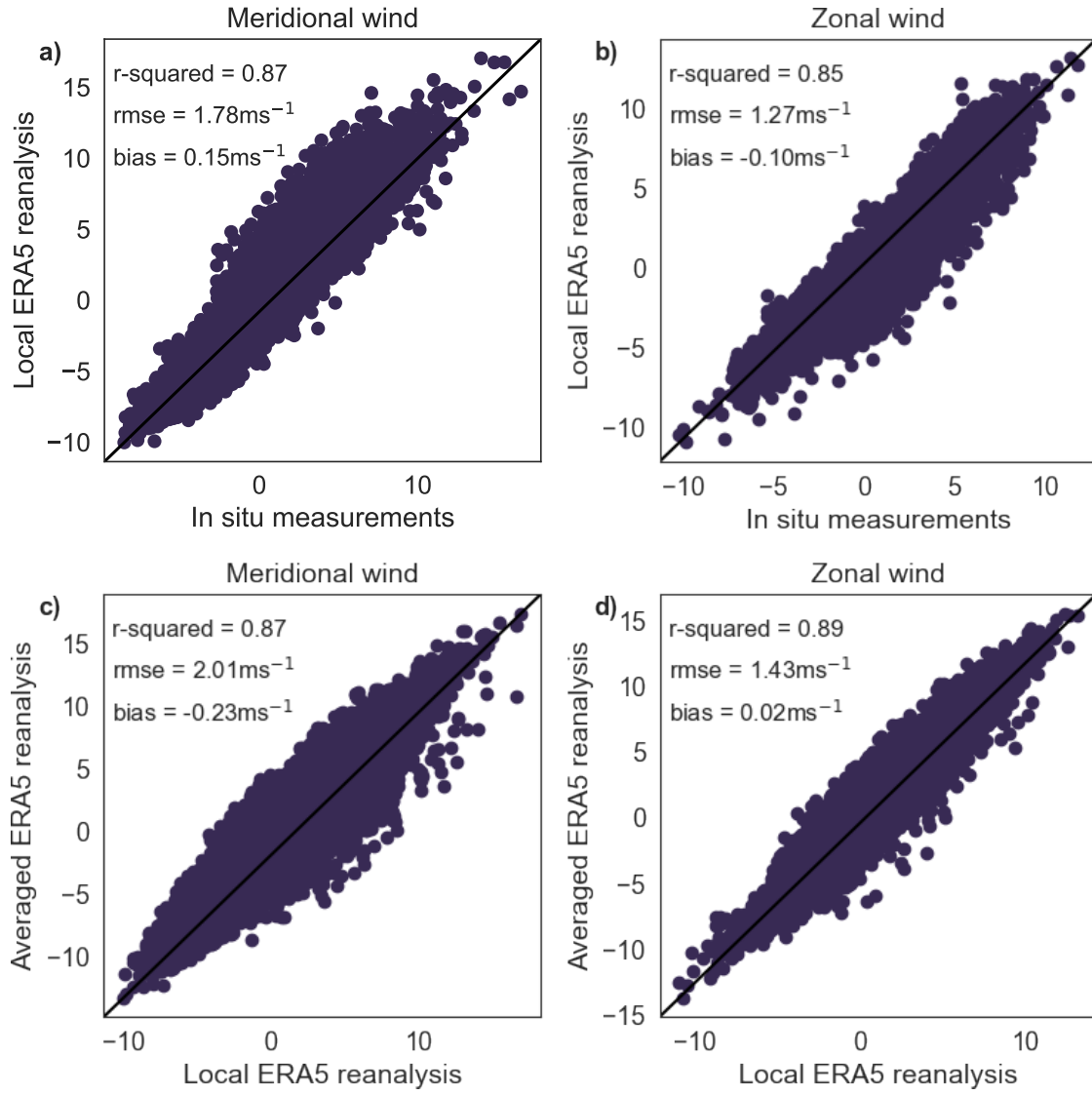


Figure S2: Comparison between daily local ERA5 reanalysis (151.35 °E, 34.2 °S) and *in situ* land wind measurements (151.1731 °E, 33.9465 °S) for a) meridional and b) zonal velocity vector component. Comparison between daily local ERA5 reanalysis wind estimates and averaged over 4 degrees (150-154 °E, 32-36 °S) for c) meridional and d) zonal velocity vector components. The bias considers the variable on the y-axis minus the variable on the x-axis. The unit is ms^{-1} .