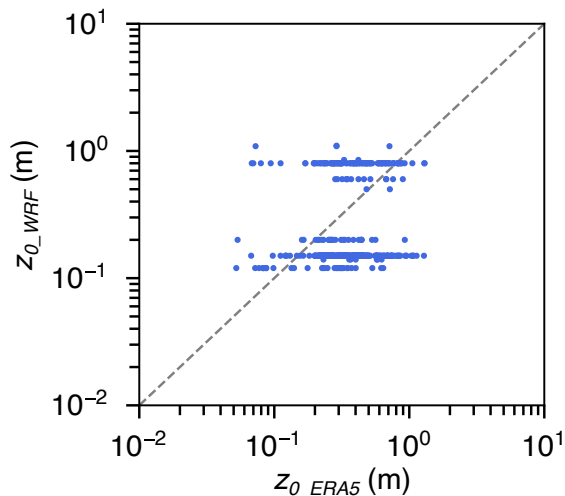
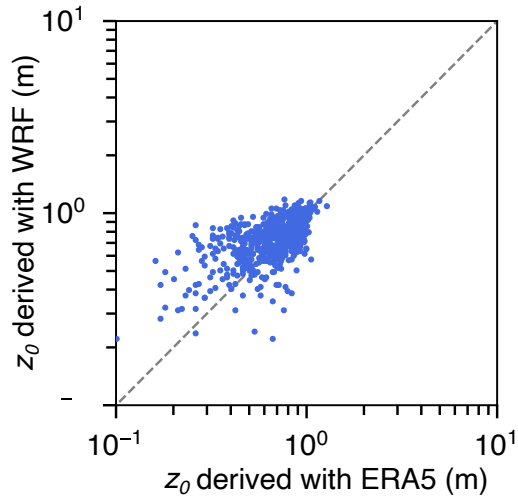


(a) Comparison of z_0 between WRF and ERA5



(a) z_0 derived from different sources



(c) Count of CMA stations across $\ln(z_0)$ difference intervals

