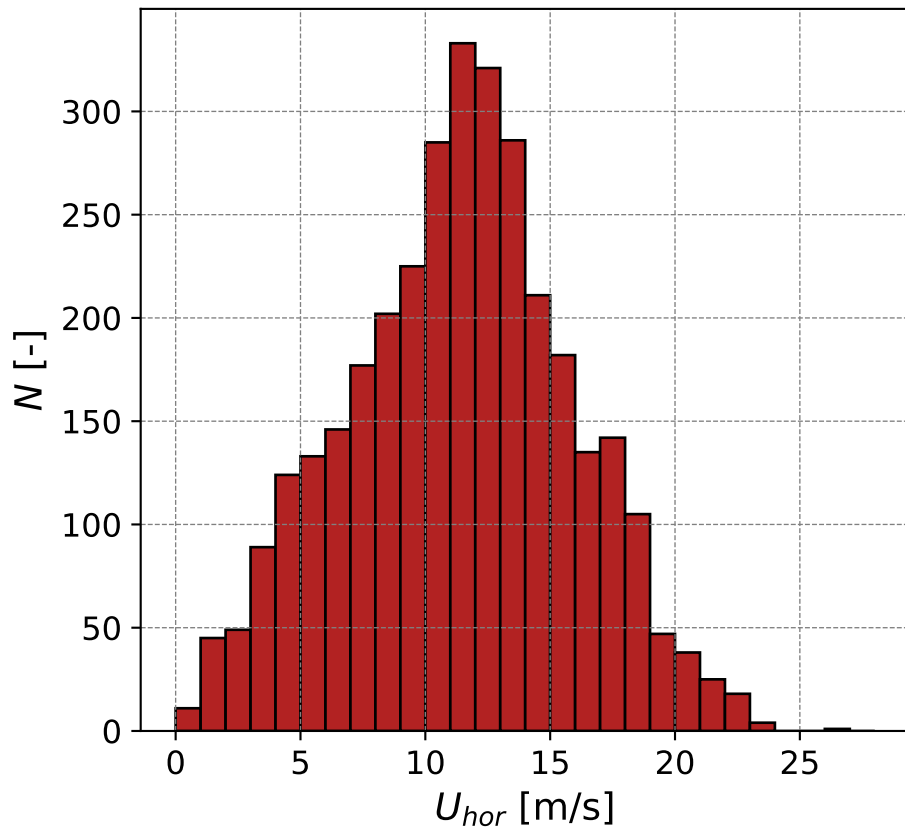


(a): $z_m = 176$ m



(b): $z_m = 299$ m

