P = 0.05

Parametric statistical tests using ANOVA and T-test

TIDE, WIND, and WAVE are significantly different than each other. ANOVA: f = 65.037 p = 0.0000

TIDE and WIND are significantly different than each other. t = 4.50 p = 0.0000

TIDE and WAVE are significantly different than each other. t = -7.63 p = 0.0000

WIND and WAVE are significantly different than each other. t = -11.28 p = 0.0000

Non-parametric statistical tests using Kruskall-Wallis and Mann-Whitney

TIDE, WIND, and WAVE are significantly different than each other. Kruskall-Wallis: H = 105.169 p = 1.4546e-23

TIDE and WIND are significantly different than each other. u = 57944.00 p/2 = 0.0000

TIDE and WAVE are significantly different than each other. u = 28159.00 p/2 = 0.0000

WIND and WAVE are significantly different than each other. u = 17599.00 p/2 = 0.0000

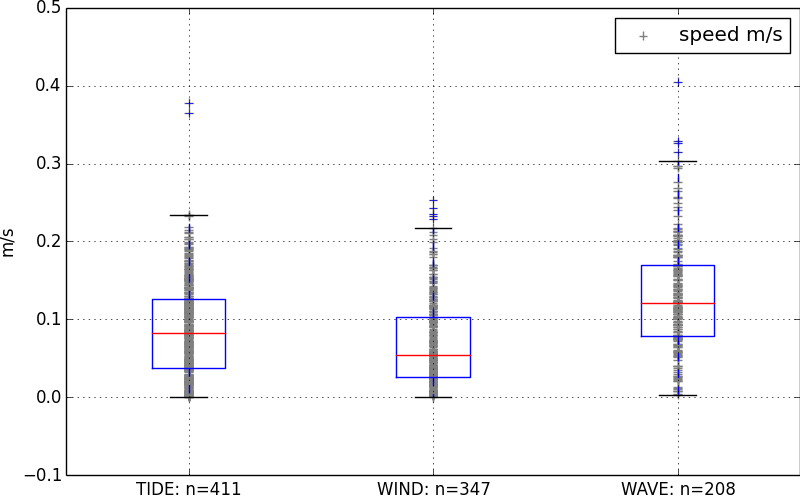


Figure . Boxplots of all drifter speeds (m/s) during end member periods TIDE, WIND, and WAVE. Mean speeds are significantly different than each other