

Suggestion: Minor revision.

The manuscript depicts an exploration for the parameterisation of surface wind stress over shallow waters by a method of combining numerical modelling and observational data. The study adds our knowledge of the parameterisation in such condition and the result has potential to improve numerical climatic and NWP modelling especially for coastal regions. The manuscript is well organised and well written. I have a concern listed as item (1) which needs to be clearly addressed before the manuscript is accepted for publication.

1). The authors ignore the stability correction in the relation of surface stress, surface wind and momentum roughness length in introducing Eqns (2) and (3). Although over waters such correction is minor given the large thermal capacity of the underlying water, the influence should either be included in formulae or adequately justified such ignorance. A robust way would be a data regression to derive Eqn (2) as

$$\text{Log}_{10}(z_0) = a U_{15,N} - b$$

where subscript N denotes to neutral condition. Thus a transformation from Eqn (2) to (3) would be faultless.

2). In P9068, L13, I would suggest to explicitly list the formula of Edson et al. (2013) in here as it has been used quite often in the following figures.