



Supplement of

Assessing storm surge model performance: what error indicators can measure the model's skill?

Rodrigo Campos-Caba et al.

Correspondence to: Rodrigo Campos-Caba (rodrigo.camposcaba@unibo.it)

The copyright of individual parts of the supplement might differ from the article licence.

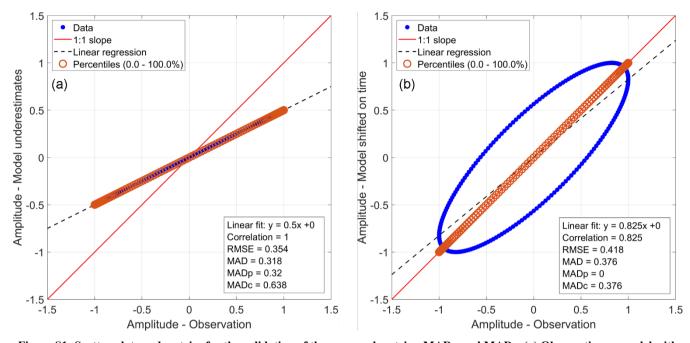


Figure S1: Scatter plots and metrics for the validation of the proposed metrics, MADp and MADc. (a) Observation vs model with half amplitude and same phase; (b) Observation vs model with same amplitude and phase shifted.

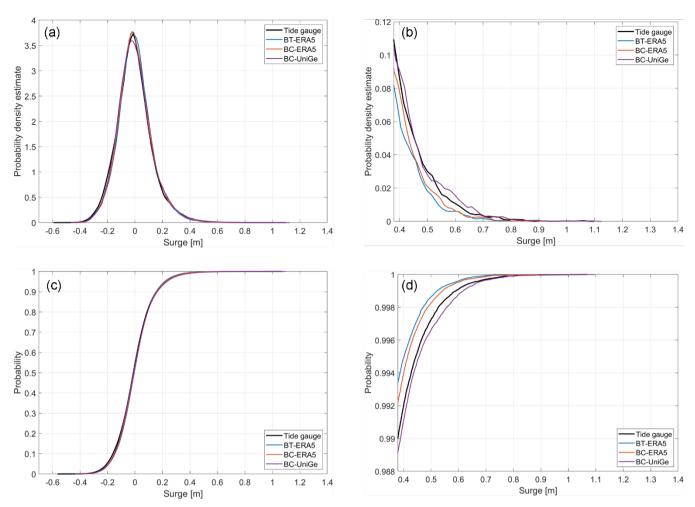


Figure S2: Probability Density Estimates (PDE) and Empiricial Cumulative Distribution Function (ECDF), CNR platform. (a) PDE for the total amount of data; (b) PDE for values above 99th percentile of the observed data; (c) ECDF for the total amount of data; (d) ECDF for values above the 99th percentile of the observed data.

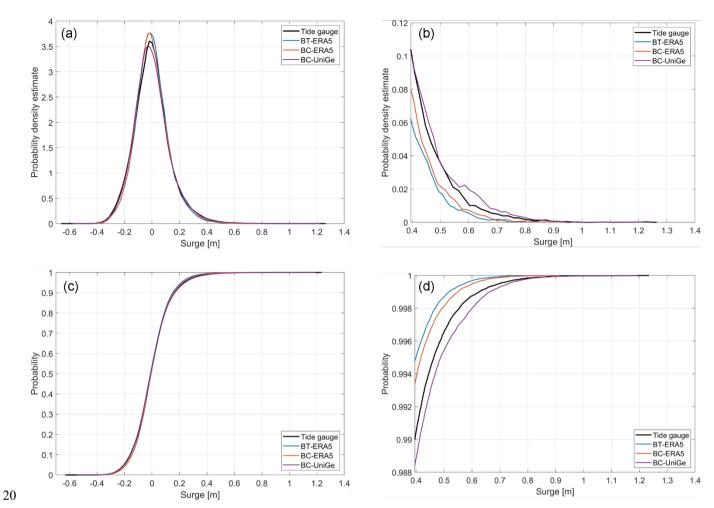


Figure S3: Probability Density Estimates (PDE) and Empiricial Cumulative Distribution Function (ECDF), Punta della Salute. (a) PDE for the total amount of data; (b) PDE for values above 99th percentile of the observed data; (c) ECDF for the total amount of data; (d) ECDF for values above the 99th percentile of the observed data.

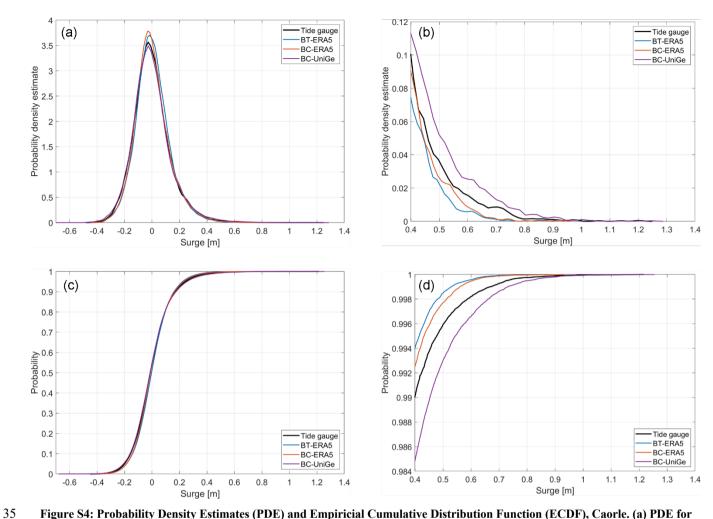


Figure S4: Probability Density Estimates (PDE) and Empiricial Cumulative Distribution Function (ECDF), Caorle. (a) PDE for the total amount of data; (b) PDE for values above 99th percentile of the observed data; (c) ECDF for the total amount of data; (d) ECDF for values above the 99th percentile of the observed data.

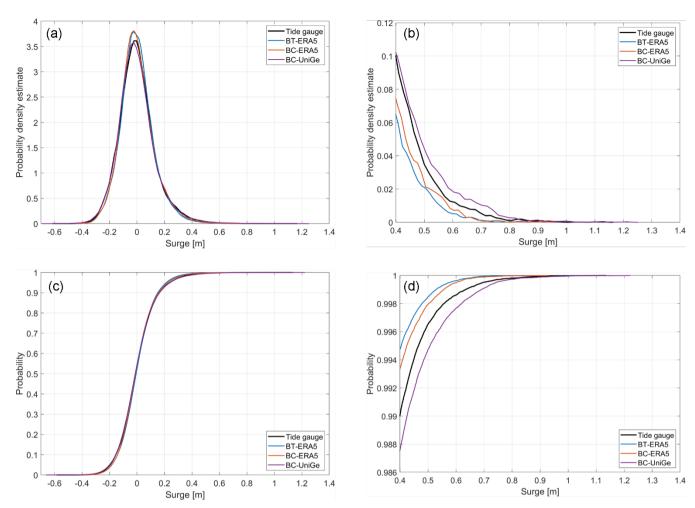


Figure S5: Probability Density Estimates (PDE) and Empiricial Cumulative Distribution Function (ECDF), Grado. (a) PDE for the total amount of data; (b) PDE for values above 99th percentile of the observed data; (c) ECDF for the total amount of data; (d) ECDF for values above the 99th percentile of the observed data.

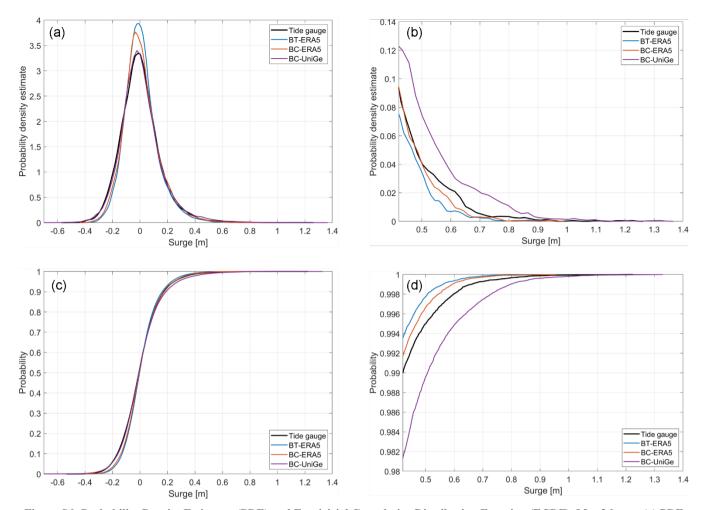


Figure S6: Probability Density Estimates (PDE) and Empiricial Cumulative Distribution Function (ECDF), Monfalcone. (a) PDE for the total amount of data; (b) PDE for values above 99th percentile of the observed data; (c) ECDF for the total amount of data; (d) ECDF for values above the 99th percentile of the observed data.

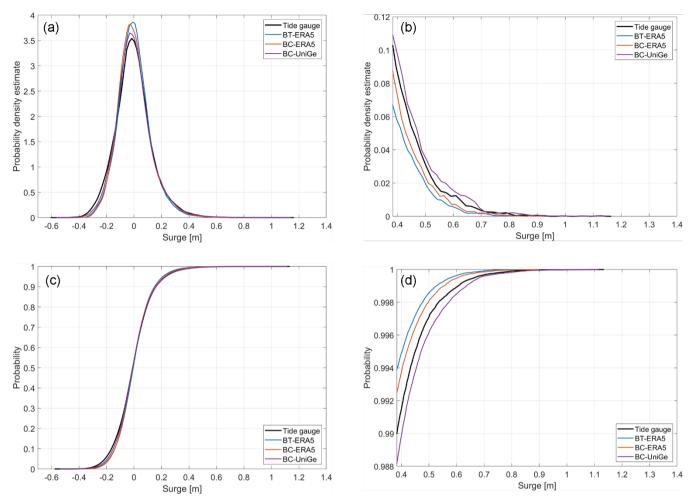


Figure S7: Probability Density Estimates (PDE) and Empiricial Cumulative Distribution Function (ECDF), Trieste. (a) PDE for the total amount of data; (b) PDE for values above 99th percentile of the observed data; (c) ECDF for the total amount of data; (d) ECDF for values above the 99th percentile of the observed data.