



Error analysis of local forecast model in Sea Level Service in Poland

Monika Mykita

(Monika.Mykita@imgw.pl)

The aim of the work is the presentation of validation of result the sea level of the local forecast calculated by the hydrodynamic model used in Operational Sea Level Service in Poland. 3 sea local models and 2 regional models are working everyday for calculation the forecast. Parameters were used for validation: correlation, reliability, effectiveness, productivity indicators. Model simulations and observed water levels were compared for two Baltic basins: Gdynia and Swinoujscie. The validation was provided for whole data set and for subset describing the low, high zone of the sea level and the sea levels generated by the wind from South, North, West and East direction. The results are the basis for interpretation of forecast calculated by different models.