

Numerical Weather Prediction at the Cuban Meteorological Service

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A description of the historical development of the numerical weather prediction in the Cuban Meteorological Service is presented. The advantages and limitations on the application of numerical modeling in Cuba are briefly explained. It is described the chain of models that are used at the current time in the operative weather forecast. The main forecasting tasks have been: Hurricane tracks, wind waves, sea level rise due to meteorological events, coastal floods, intense rains and strong winds. However, in the last five years, the sea water temperature, the salinity and the marine stream components have been added to the set of forecast variables. It concludes that the quality of the operative weather forecast has increased, due to the efficient use of numerical modeling.