Data Quality Control of the Wave Measurements Buoys in the Caspian Sea

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Abstract

Data delivered by wave measurement buoys are required to be verified along the time due to hard conditions of the buoys in the sea environment. In this paper considering wave measurement principals and quality control algorithms, the results of the quality control algorithms applied to the data from some active buoys in the Caspian Sea are presented. The results show that the designed quality control algorithms can detect erroneous data recorded by a buoy and prepare a set of valid and reliable wave data.

Keywords: Wave measurement buoys, Data quality control, Caspian Sea.