

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

Noorbakhsh, S. Mostafa<sup>1</sup>; Zamani, Ahmad Reza<sup>2</sup>; Badri, Mohammad Ali<sup>3\*</sup>

1- Assistant Professor, Research Institute for Subsea Science & Technology, Isfahan University of Technology, Isfahan, Iran. E-mail: mostafanoorbakhsh@gmail.com

2- Assistant Professor, Research Institute for Subsea Science & Technology, Isfahan University of Technology, Isfahan, Iran. E-mail: arzamani@cc.iut.ac.ir

3- Assistant Professor, Research Institute for Subsea Science & Technology, Isfahan University of Technology, Isfahan, Iran. E-mail: malbdr@cc.iut.ac.ir

Received Date: December 12, 2012

\*Corresponding Author

Accepted Date: January 24, 2015

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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.*

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