Abstract Details

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- Organization: The Hong Kong Polytechnic University
 - **Category:** Interdisciplinary Working Groups
 - Paper ID: 57-IWG-A1811
 - Title: Iteratively Re-weighted Least Squares Estimates for Mean Sea Level Changes from PSMSL Tide Gauge Data

Abstract:

Currently, the global mean sea level changes determined from tide g data make use of ordinary least squares thereby implicitly assuming random model components in tide gauge data are homogeneous over A recent study by Iz and Ng (2002) has shown that this is not the ca paper quantifies the impact of non-stationarity of the tide gauge data mean level change estimates. We used iteratively re-weighted least s solutions which account for non-stationarity of the tide gauge data in PSMSL repository and compared the results against the solutions fror ordinary least squares. We found significant differences between two solution trend estimates for 10% of tide gauge stations.

Presentation Mode: Oral

Keywords: PSMSL, Sea level, Tide gauges

Status: Pending.

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