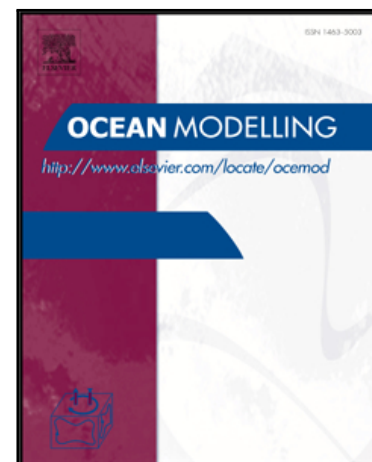


## Accepted Manuscript

### Extreme Wind-Wave Modeling and Analysis in the South Atlantic Ocean

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**Highlights**

- Nine wave hindcasts are constructed with three different calibration methods.
- Cyclonic CFSR winds are blended with satellites to improve the extreme wave heights.
- An assessment is performed studying the error in function of percentiles.
- Accurate cyclonic winds are crucial for extreme wave modeling above the 93th percentile.
- The methodology led to a decrease of errors from 14% to less than 8% for extreme waves.

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