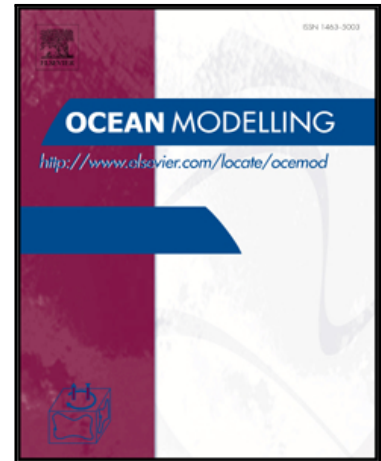


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Impact of data assimilation on vertical velocities in an eddy resolving ocean model

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Highlights

- Ocean data assimilation (DA) significantly impacts vertical velocities in the first day after assimilation.
- Vertical velocities in ocean eddies are particularly sensitive to DA
- Model's response to DA is like an artificial eddy distortion (change of eddy-shape)

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