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Atmosphere-ocean feedbacks in a coastal upwelling system

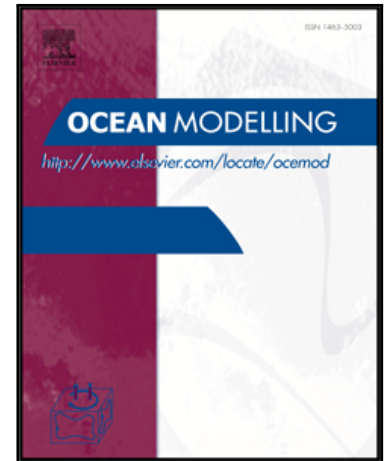
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Highlights

- A fully coupled ocean-atmosphere model is applied to an upwelling system.
- Coupled simulations contribute to produce a better co-variation of dynamical fields, within a coastal upwelling region.
- Increased importance of Ekman pumping due to high-resolution coastal wind.
- Sharpening of coastal jet in the 2 way-coupling experiment.
- Enhanced air-sea coupling coefficients associated with better resolved coastal fields and 2 way-coupling.

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