

Geosci. Model Dev. Discuss., author comment AC1
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Reply on RC1

Hao Huang et al.

Author comment on "A nonhydrostatic oceanic regional model, ORCTM v1, for internal solitary wave simulation" by Hao Huang et al., Geosci. Model Dev. Discuss.,
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We would like to thank the referee for these careful reading and valuable comments. We will add the relevant description about the bottom friction and vertical turbulence coefficients from Sect 3.2 to 3.4. Besides, there is going to be a clear and sound explanation corresponding to the tidal flow open boundary conditions in Sect 3.4. Finally, we are going to study and cite these two nonhydrostatic ocean model papers the referee mentioned in the introduction section, and meanwhile we have been looking for the related nonhydrostatic ocean model papers.