

Interactive comment on “Numerical simulations of tsunami generated by underwater volcanic explosions at Karymskoye lake (Kamchatka, Russia) and Kolumbo volcano (Aegean Sea, Greece)” by M. Ulvrova et al.

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First of all, we would like to thank Dr. Konstantinou for his comment. He rises a very good point concerning the location of potential future eruption. His work Konstantinou and Yeh (2012), that he kindly attached, shows that future eruption might be located out of the existing Kolumbo crater, more precisely very near to the NE coast of Santorini. In our study we test only one position of the explosion matching the Kolumbo crater. We believe that to a first order (and taking into account all incertitudes in the system)

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results would not be changed by shifting the explosion center closer to the Santorini island. For the explosion that would be right close to the Santorini coast, our model would not be suitable due to the limited water depth. However, we agree that this point might be addressed in the paper and properly discussed.

The second point of the comment concerns the 1650 tsunami caused by Kolumbo activity. However, this is not the aim of this paper to discuss the source and inundation of the 1650 tsunami.

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