

## On excitation sources of Earth's continuous free oscillations

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Recently it has been evident that Earth's free oscillations are continuously excited at nano gal level. The atmospheric excitation hypothesis proposed by Kobayashi (1996) is suitable for the cause so far. However, ocean disturbances due to infragravity waves are proposed as a candidate for the cause since pressure disturbances on the bottom of the Pacific Ocean are larger than those of the atmosphere. We briefly review the recent progress in the observations of the continuous free oscillations, and compare the two mechanisms. We conclude the ocean disturbances is less effective than atmospheric disturbances on the continuous excitation of Earth's free oscillations.