

# Inertia-Gravity Waves generated by near Balanced Flow

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Using a fine resolution numerical model ( $4000^2 \times 2$  grid-points) of the two layer shallow-water equations of the mid-latitude  $\beta$ -plane dynamics, it is shown that there is no sudden breakdown of balance in the turbulent enstrophy-cascade but a faint and continuous emission of inertia gravity waves.

The wave energy accumulates in the equator-ward region of the domain due to the Coriolis parameter depending on latitude and the dispersion relation of inertia gravity waves.