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Planetary wave features and variability of tide at mesosphere/lower thermosphere region

Abstract

The activity of planetary waves and variability of tides in the mesosphere/lower thermosphere (MLT) region was studied using the mesospheric wind velocity. Planetary wave activity observed at the MLT region are the result of upward propagating waves which are excited from the lower region of the atmosphere and sometimes are resulting from tidal modulation at planetary wave. Tidal modulation was investigated as the possible candidate for the planetary wave features in the MLT region.

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