



Propagation of gravity waves over Taiwan observed by continuous Doppler sounding

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We investigate propagation directions and horizontal velocities of gravity waves (GWs) in low-latitude ionosphere. GWs are observed by the multi-point continuous Doppler sounding system installed in Taiwan (24°N 121°E). Based on measurements over one year, the seasonal dependence of GWs properties is investigated. Compared to the mid-latitude observations, no distinct seasonal dependence of GWs' directions is observed. The propagation between west and south-west directions was not observed. Typical observed horizontal velocities are in the range from 100 m/s to 200 m/s.