



## Propagation of gravity waves over Taiwan observed by continuous Doppler sounding

Jiří Fišer (1), Jaroslav Chum (1), and Jann-Yenq Liu (2)

(1) Institute of Atmospheric Physics, Academy of Sciences of the Czech Republic, Prague, Czech Republic (jifi@ufa.cas.cz),

(2) Institute of Space Science, National Central University, Chung-Li 320, Taiwan

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 ( $24^{\circ}\text{N}$   $121^{\circ}\text{E}$ ). 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.