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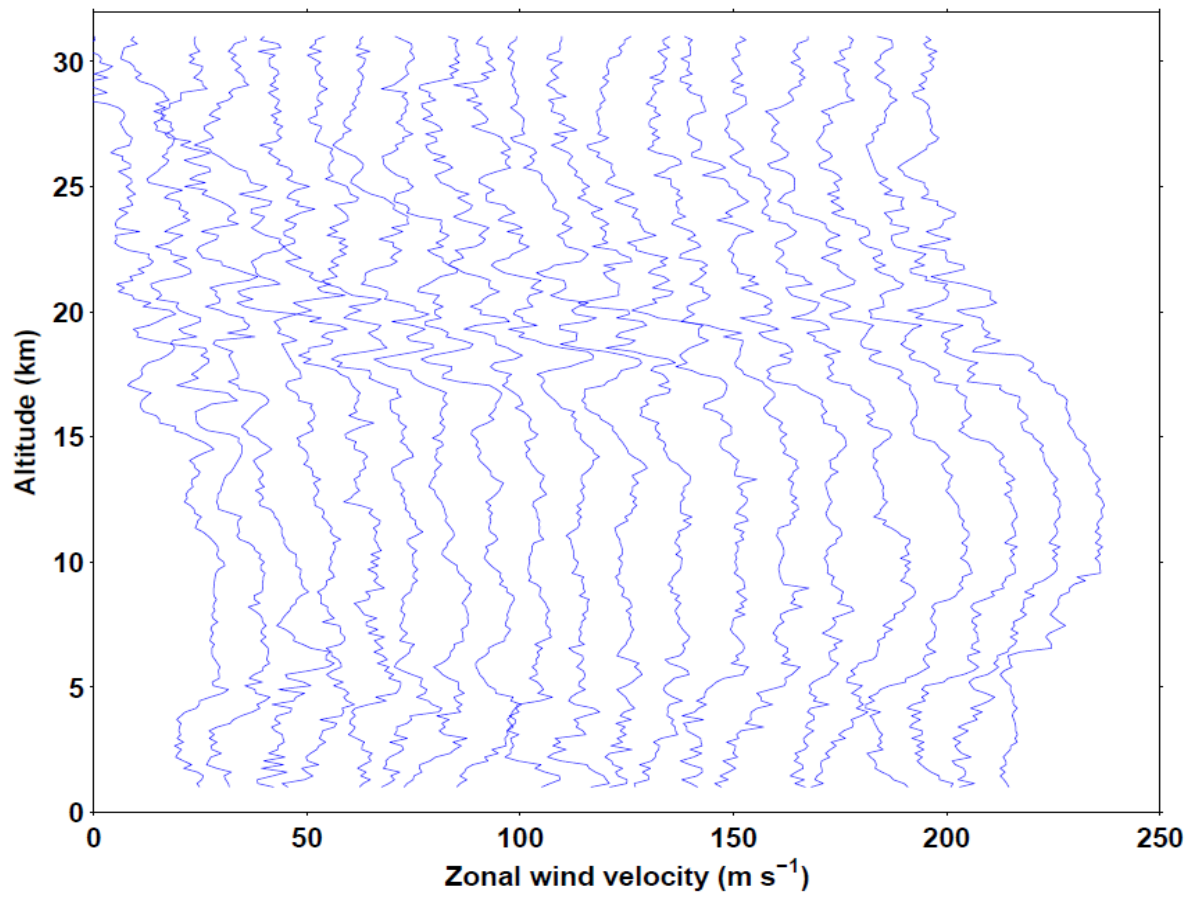
*Supplement of*

## **Retrieving characteristics of inertia gravity wave parameters with least uncertainties using the hodograph method**

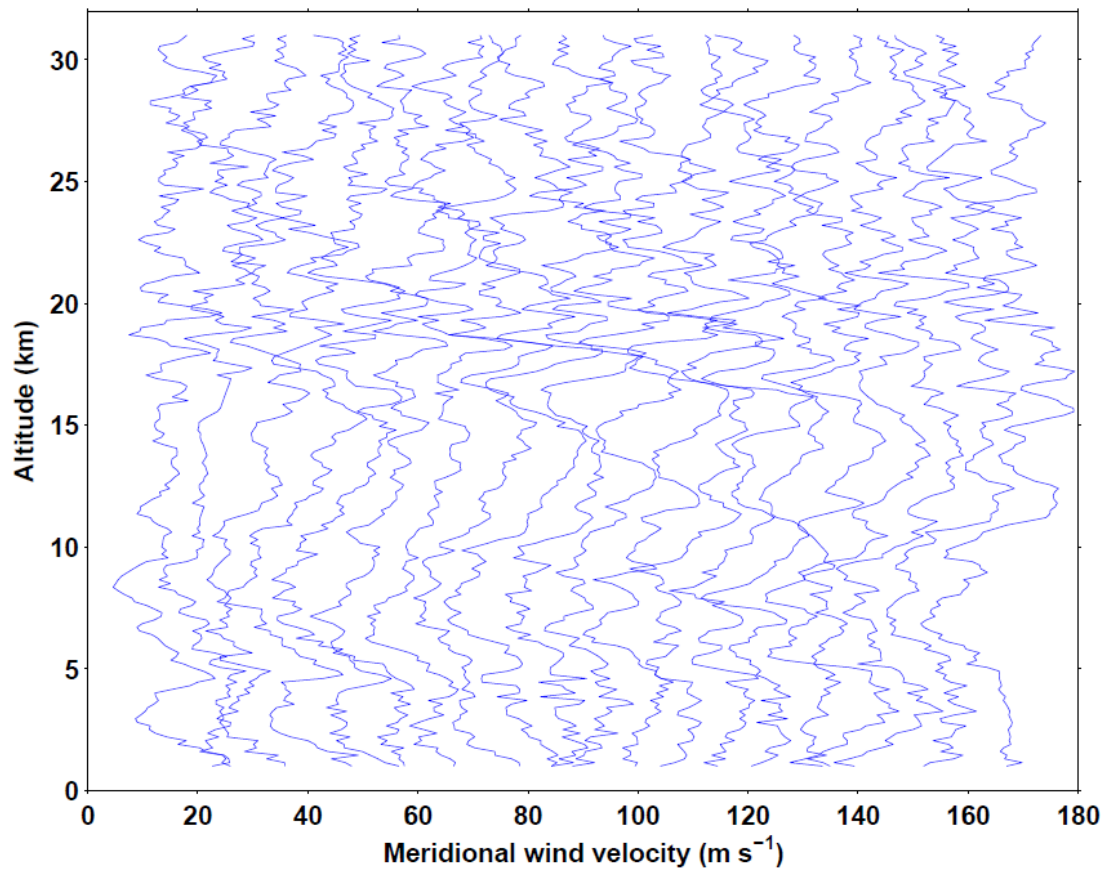
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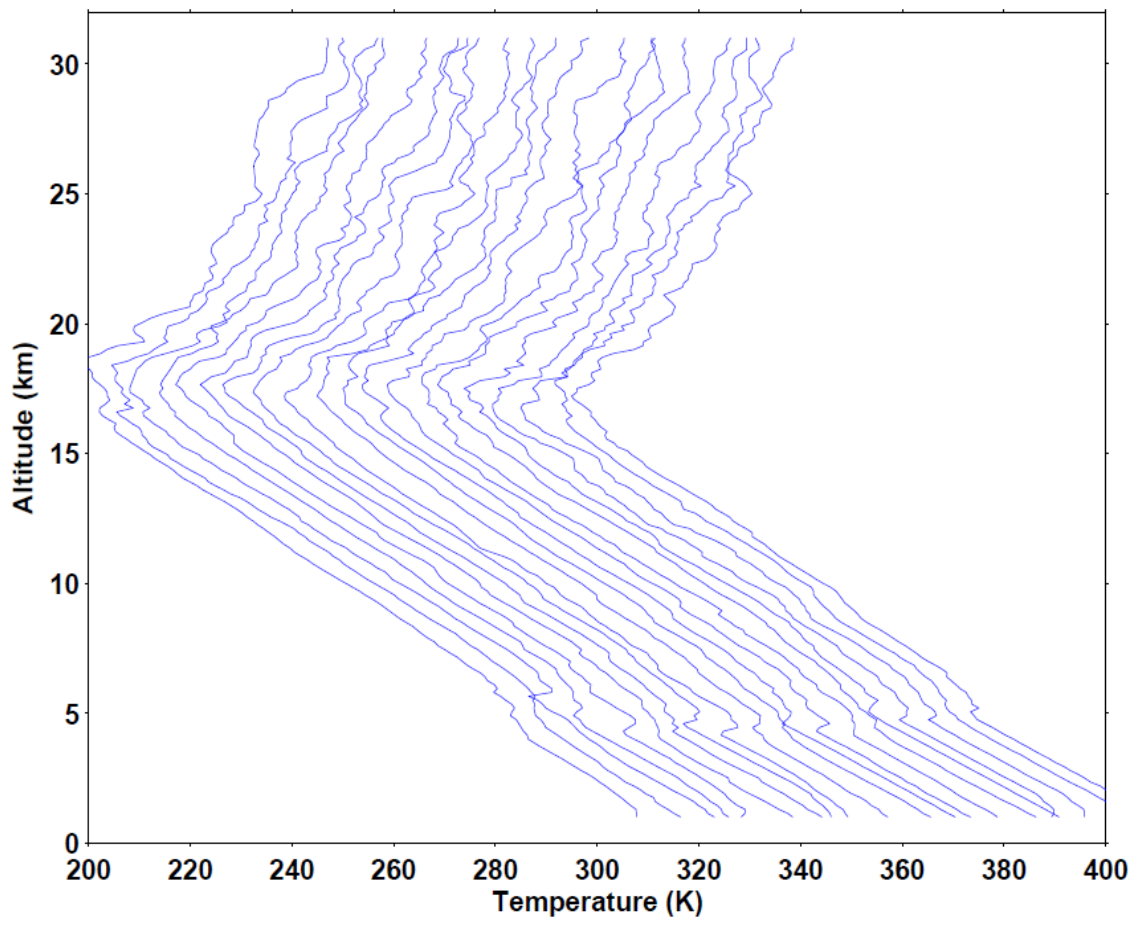
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**Figure 1: Profiles of Zonal wind velocities shifted bby 10 m s<sup>-1</sup> measured by radiosonde between 30<sup>th</sup> April to 4<sup>th</sup> May 2012.**



**Figure 2: Same as Figure 1. But for Meridional case, shifted by  $8 \text{ m s}^{-1}$**



**Figure 3: Same as Figure 1. But for Temperature shifted by 5 K**