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- TIDI meridional neutral wind data show clear signs of the diurnal and semi-diurnal tides.
- The diurnal tide at low latitudes was gradually replaced by the semidiurnal tide at mid-latitudes.
- The diurnal tide has a vertical wavelength close to 20 km.
- The TIDI diurnal tide peaks at about 97 km
- The GSWM diurnal tide is smaller in amplitude and longer in vertical wavelength (~ 25 km)
- The GSWM diurnal tide peaks above 100 km.
- Comparison with the Maui Meteor radar data show better agreement for the meridional winds for the zonal winds.