



THERMOSPHERIC NIGHTTIME MSTIDS OBSERVED BY AN ALL-SKY IMAGER AT COMANDATE FERRAZ ANTACTICA STATION (62 S)

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ABSTRACT

Periodic MSTIDs have been observed at Comandate Ferraz Antactica Station (n (62.1°S, 58.4°W) during the winter time of 2015 and 2016, using OI 630.0 nm airglow images. MSTIDs presented a horizontal wavelength between 100 and 200 km, a period ranging between 15 and 45 minutes, the phase velocity of 30 to 180 m/s, and propagation directions mainly to West-Northeastward. The results were compared to previous ones obtained by Paulino et al (2016) and Figueiredo et al (2018) for low latitudinal stations. The anisotropy observed in the periodic MSTID propagation direction will be discussed in terms of the wind filtering mechanism and location of the source.