

Simultaneous observations of postnoon aurora at Zhongshan station in Antarctica and Syowa HF radar echoes

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Poleward moving auroral forms (PMAFs), as observed by meridian scanning photometers, are one of the common features of the high latitude dayside auroral phenomena. We examined PMAFs in the postnoon sector observed at Zhongshan (Mag. Lat. = -74.5) by using all-sky TV cameras and meridian scanning photometers, and we found there are two different types of PAMFs with respect to the temporal / spatial variations. Dynamics and occurrence regions of PMAFs are also studied using SENSU Syowa East HF radar.