Ea-P012 Room: Poster Time: June 9 17:30-19:30

Daytime lidar observations of mesospheric sodium layers (3)

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Daytime lidar observations of mesospheric sodium layers have been performed by using a ultranarrow bandpass Na vapor dispersive Faraday filter that overlays Na Fraunhofer line. The data show strong 12-hour oscillations of the Na density and layercentroid height which appear to be caused by the semidiurnal tide. The peak-to-peak variation in centroid height was of the order of 3km.