

Radar and airglow observations at Adelaide, Australia

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A three-field photometer has been operated at the University of Adelaide's Buckland Park (35°S, 138°E) field site to collect observations of the intensity of 558 nm OI and 730 nm OH airglow emissions since April 1995. Night-time intensity data have been collected on an almost continuous basis with observations made when the effect of the moon is not evident in the instrumental field of view. Interpretation of the 730 nm data is limited by the presence of the Milky Way, and here we will focus on the variability of the intensity of the OI 558 nm airglow, which exhibits solar cycle, quasi-biennial, annual, semi-annual and ter-annual periodicities. These observations are compared with MF and meteor observations made at the same site.