Ee-P004 Room: Poster Time: June 9 17:30-19:30

The statistical study of high latitude aurora observed by scanning photometer in Zhongshan station.

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Since 1995, panchromatic all sky TV camera and high speed scanning photometers have been installed at Zhongshan station (69.37S 76.38 E, invariant latitude 74.49) for observation of aurora. We have been evaluating the accuracy of absolute value of auroral emission intensity through the year referring the signal of calibration. The accuracy of the data for each wavelength is in the follows; 80.85%(427.8nm), 4.95%(557.7nm), 13.8%(630.0nm). Using this evaluation, we can discuss the statistical characteristics of absolute value of aurora for each phenomenon and each wavelength. We carried out statistical study for these remarkable phenomena of dayside aurora.

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