

Thermospheric wind and temperature measurements by the Fabry-Perot imager at Syowa Station (3)

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A routine observation by the Syowa Fabry-Perot Imager (FPI) started on March 31, 2001. During the 2001 winter season the FPI was operated on 71 nights by the end of the observation season on October 16 acquiring approximately 50,000 interference fringe images of OI 557.7 nm and OI 630.0 nm auroral emissions. OI 630.0 nm fringe image data were analyzed to derive neutral wind and temperature distributions in the F-region. Their seasonal and daily variations and dependence on auroral activities will be discussed.