

Ion-Dispersion Events in the Cusp: Investigated with the REIMEI satellite and ESR

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We present some preliminary result from the joint Norwegian-Japanese campaign, ESR/REIMEI, which was carried out in the winter 2006 at Svalbard. The aim was to conduct coordinated observation with high time and spatial resolution of structured aurora, electron precipitation and ion-outflow with ESR (EISCAT Svalbard Radar) and REIMEI satellite in the Earth's polar region. The result is mainly from the daytime cusp when clear signatures of so-called ion-dispersion are seen. In particular the small scale variations in these events have been studied.