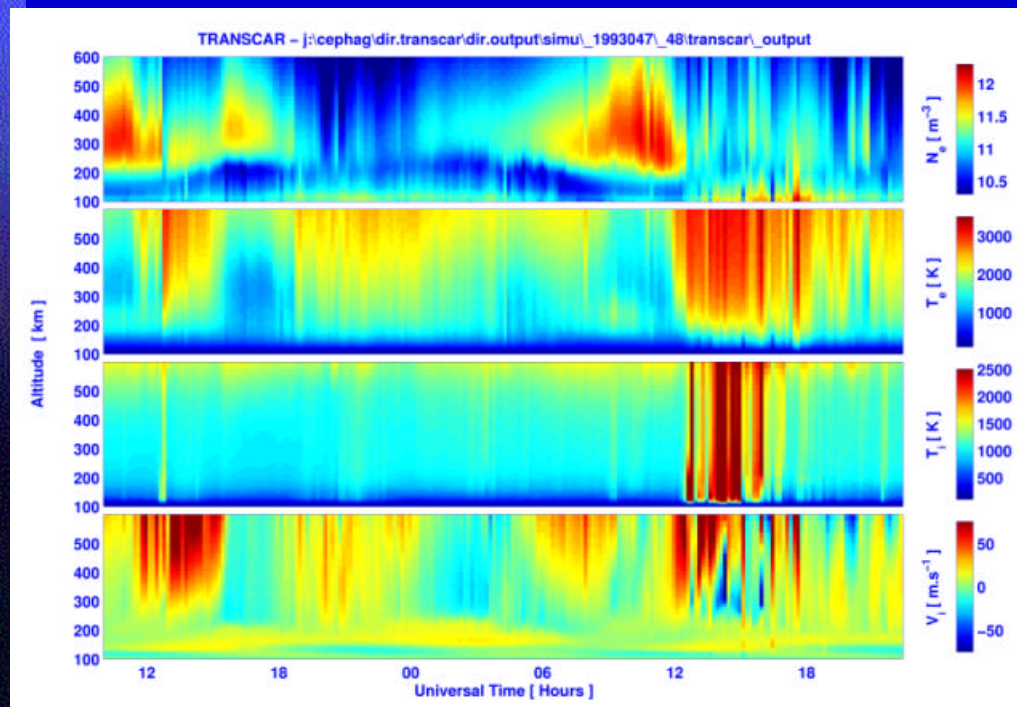
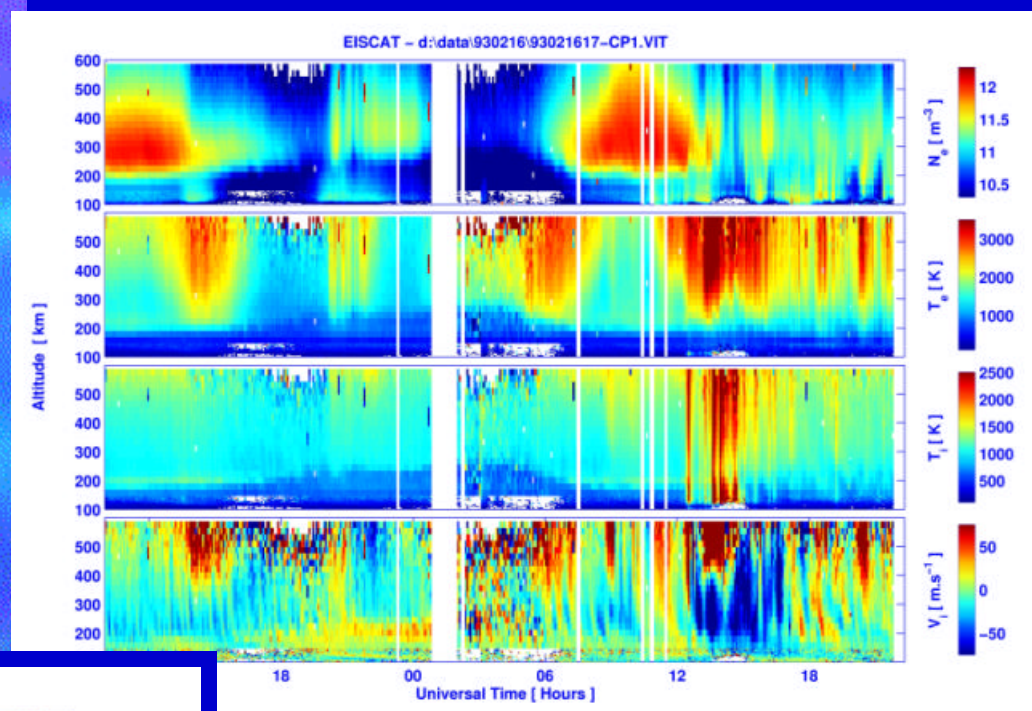


Large scale Modelling

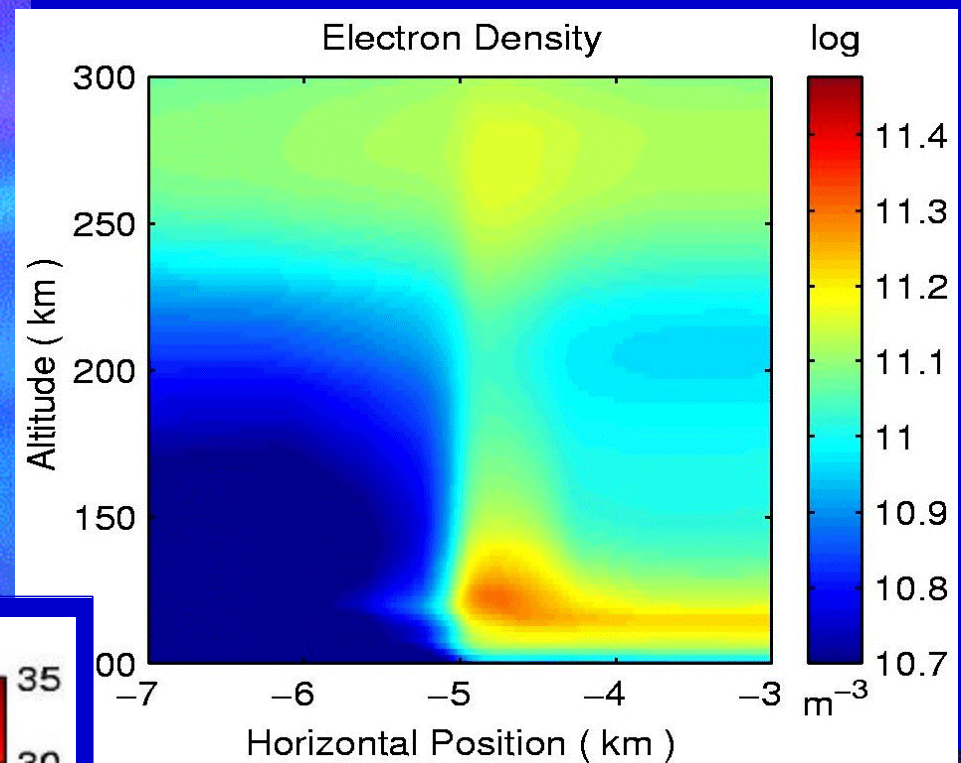
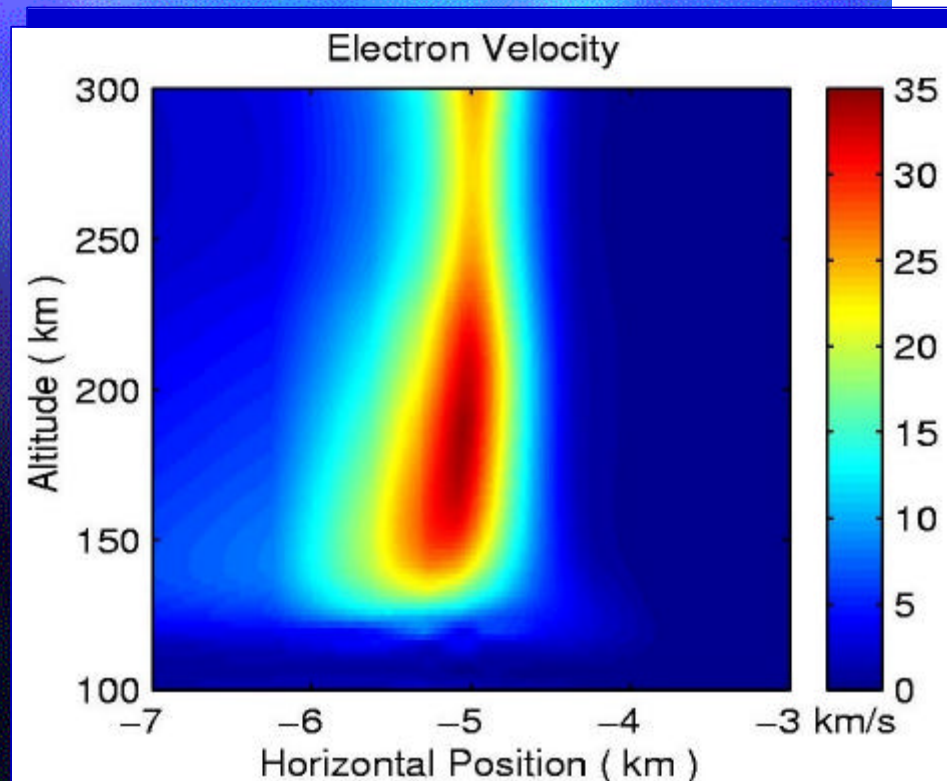


Tromsø observations

Corresponding 3D TRANSCAR
model: convected flux tubes
using AMIE results

Courtesy P.-L. Blelly (CESR - Toulouse)

Small scale Modelling



Combined 2D electrodynamic
model and TRANSCAR:

Arc precipitation gradients in a
100mV/m background E-field
generate parallel currents of
several hundreds μAm^{-1}

Courtesy J.M. Noel (Univ. Western Ontario)