Polar MICS Ion Moment Data Base

- **Data Base of Polar CAMMICE MICS data at 5-minute averages has been formed for 1996-1999.**
  - **Used motion of Polar orbit to get equatorial coverage over wide L range**
  - **Mapped local pitch angle distributions to equator using $\sin^n(\alpha_o)$ fit for small B/Bo**
  - **Generated equilibrium quiet-time distribution of proton pressures for reference**
- **Compare storm time pressure profiles with quiet-time average in one local time sector**
  - **Pressures and current of different ion species during storms**
  - **Compute storm time ion perpendicular currents from gradients of pressure**

Note:

Only 2 local time sectors sampled during each storm