

Ion Current Density Profiles

- **Peak of January 10, 1997 storm (min Dst ~ 78 nT)**
- **Values of stormtime current density approximately twice that observed by *Lui et al.* [1987]**
- **Most intense current due to oxygen ions in narrow region near L ~ 3.8**
- **Provides new parameters for comparison with multi-ion ring current models**

CAMMICE MICS Ion Current Density and Pressure
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