Quantifying High-Latitude Ionospheric Variability

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By $\approx 0$, Bz $\approx 0$

By $< 0$, Bz $\approx 0$

By (nT)

Bz (nT)

AE (nT)

Kp Index

UT, 5 April 2010
Averaged over 00-08UT, 5 April 2010
Averaged over 15-22UT, 5 April 2010

Potentail 72 KV

|E| (mV/m)

σ_e (mV/m)

Σ_ρ (S)

Σ_ρ|E|^2 (mW/m^2)

94 GW

Σ_ρσ_ρ^2 (mW/m^2)

29 GW