Thermosphere/Ionosphere Climate during Solar Cycle 23

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Comparison of Density Simulation to Satellite Drag Data

Graph showing the comparison of satellite drag measurements with TIE-GCM simulations over the years 1996 to 2011. The top graph displays density at 400 km, with a global mean trend. The bottom graph illustrates index values, with specific markers for M10.7 and Ap*10 indices.
Mid-Day Peak Ionosphere at Grahamstown Ionosonde

Grahamstown, South Africa
(-33° geographic latitude, -42° magnetic latitude)