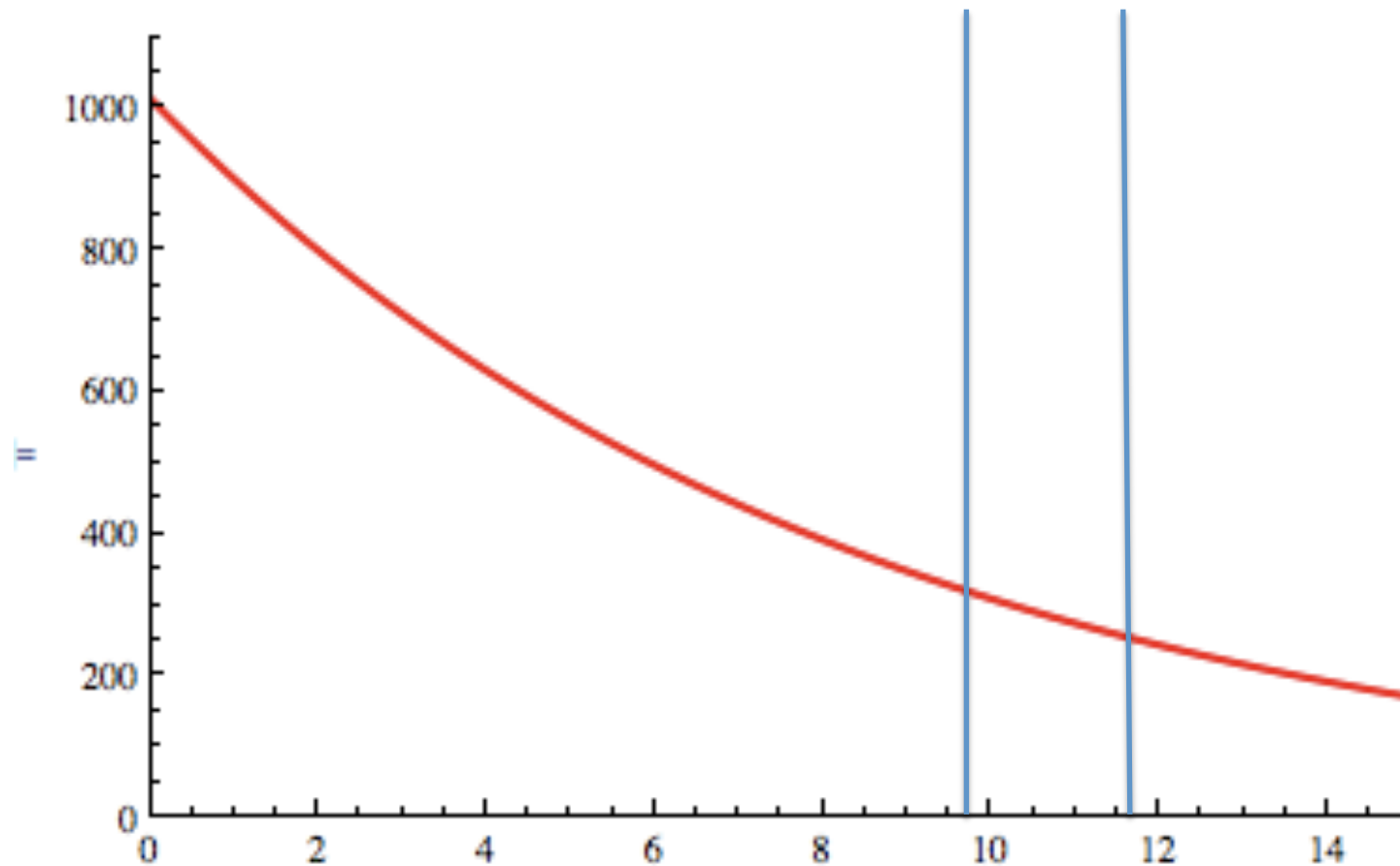
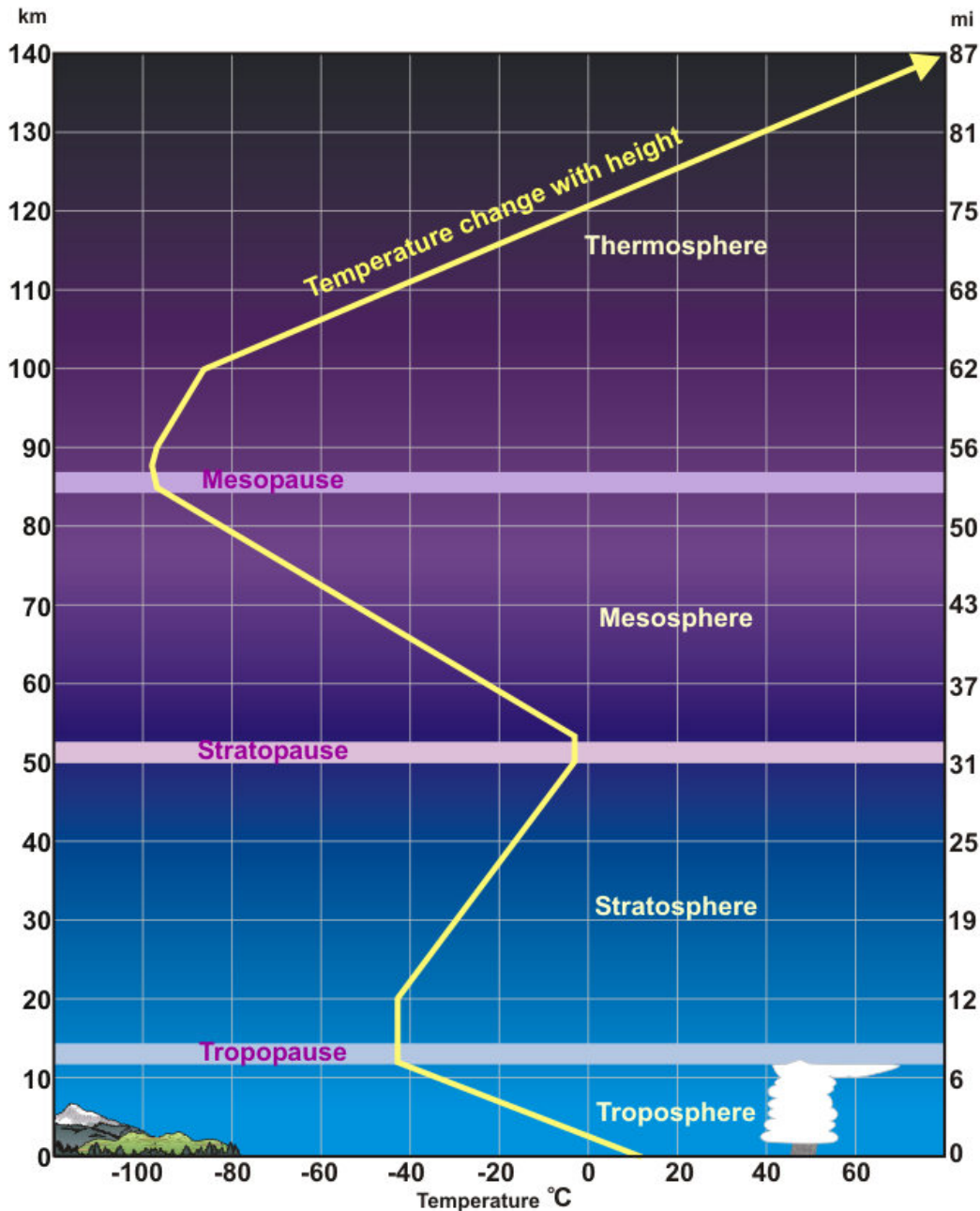


Pressure Profile in the Earth's Atmosphere

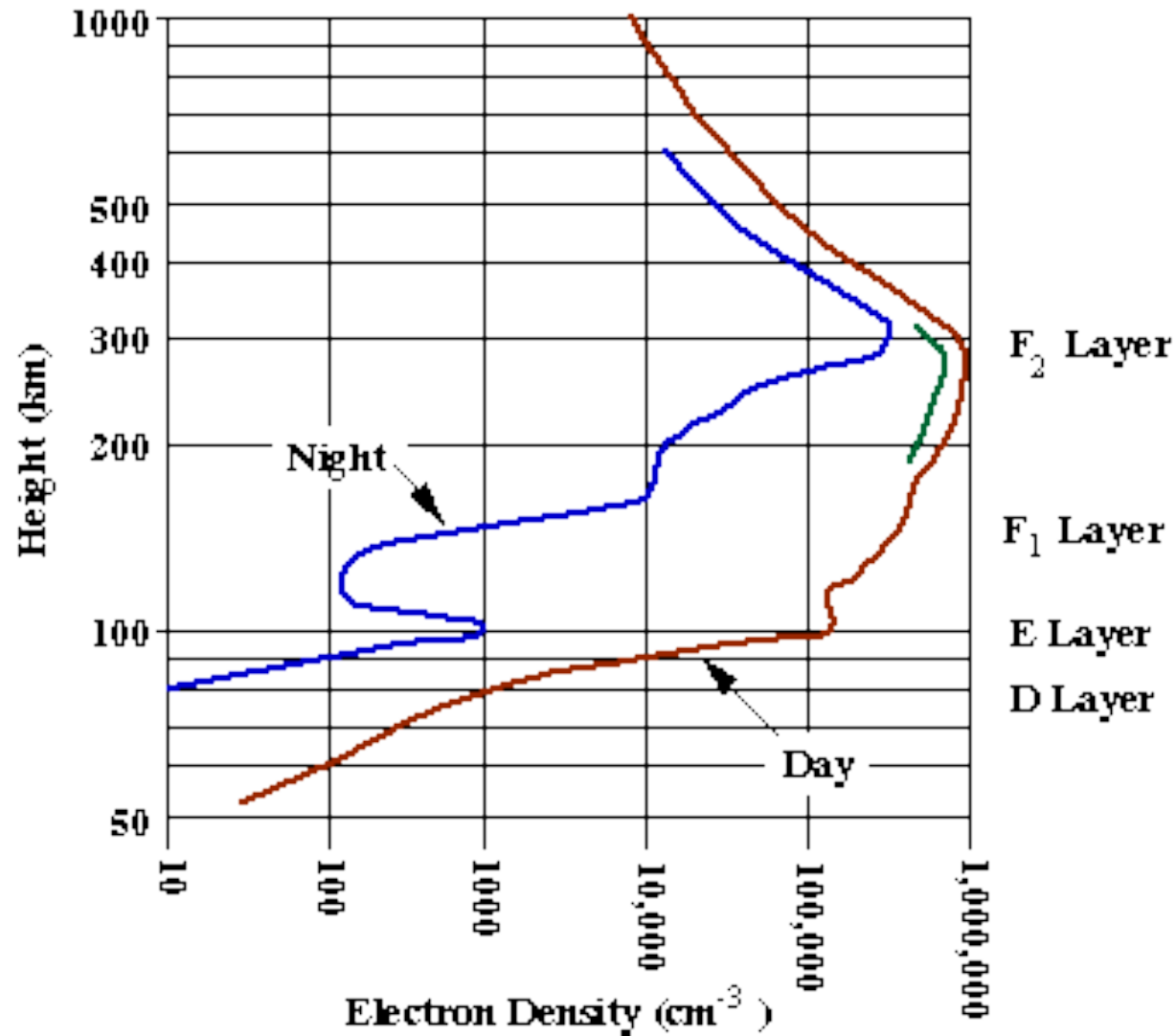


Vertical lines represent airplane cruising altitudes of 32,000 and 38,000 ft

Measured temperature profile in the Earth's atmosphere



Electron density profile in the ionosphere



Auroras: plasmas from deep space



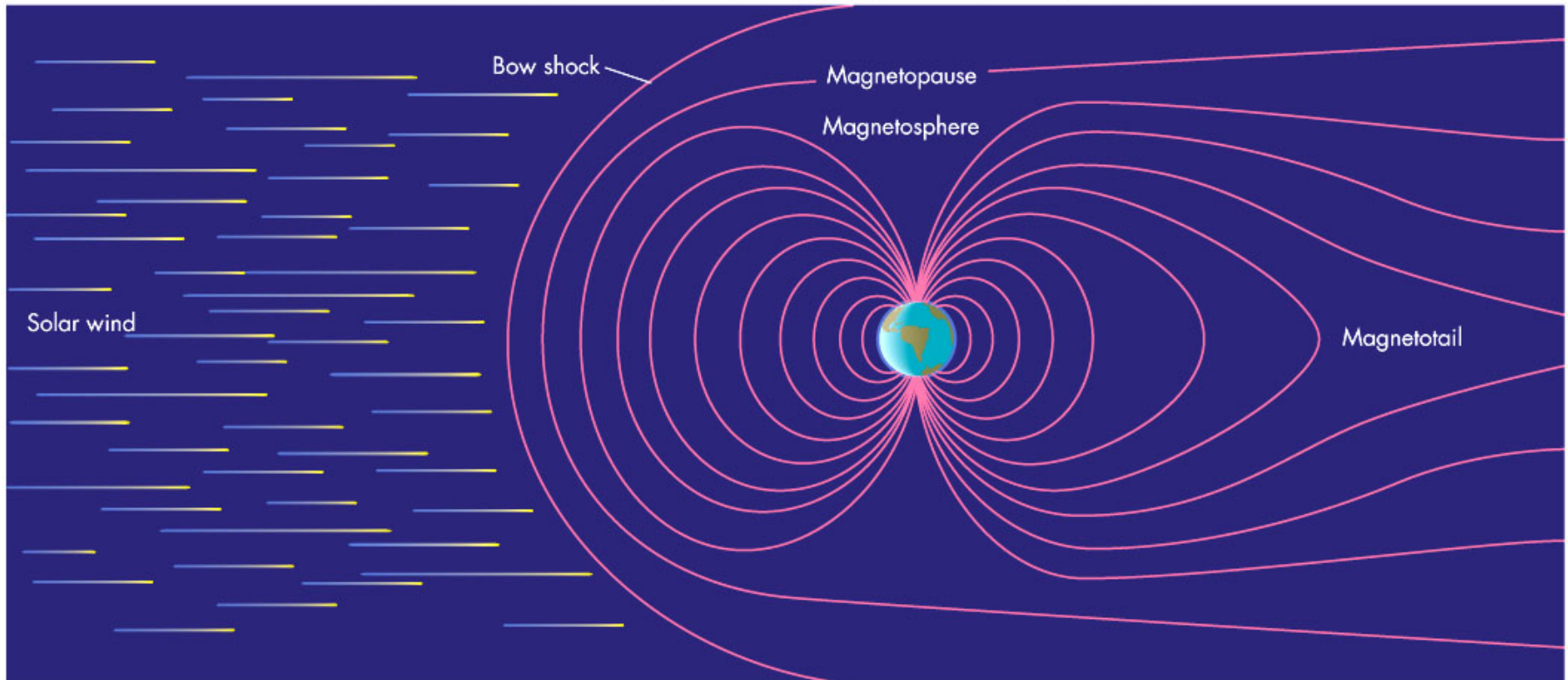
The Upper Atmosphere of Earth



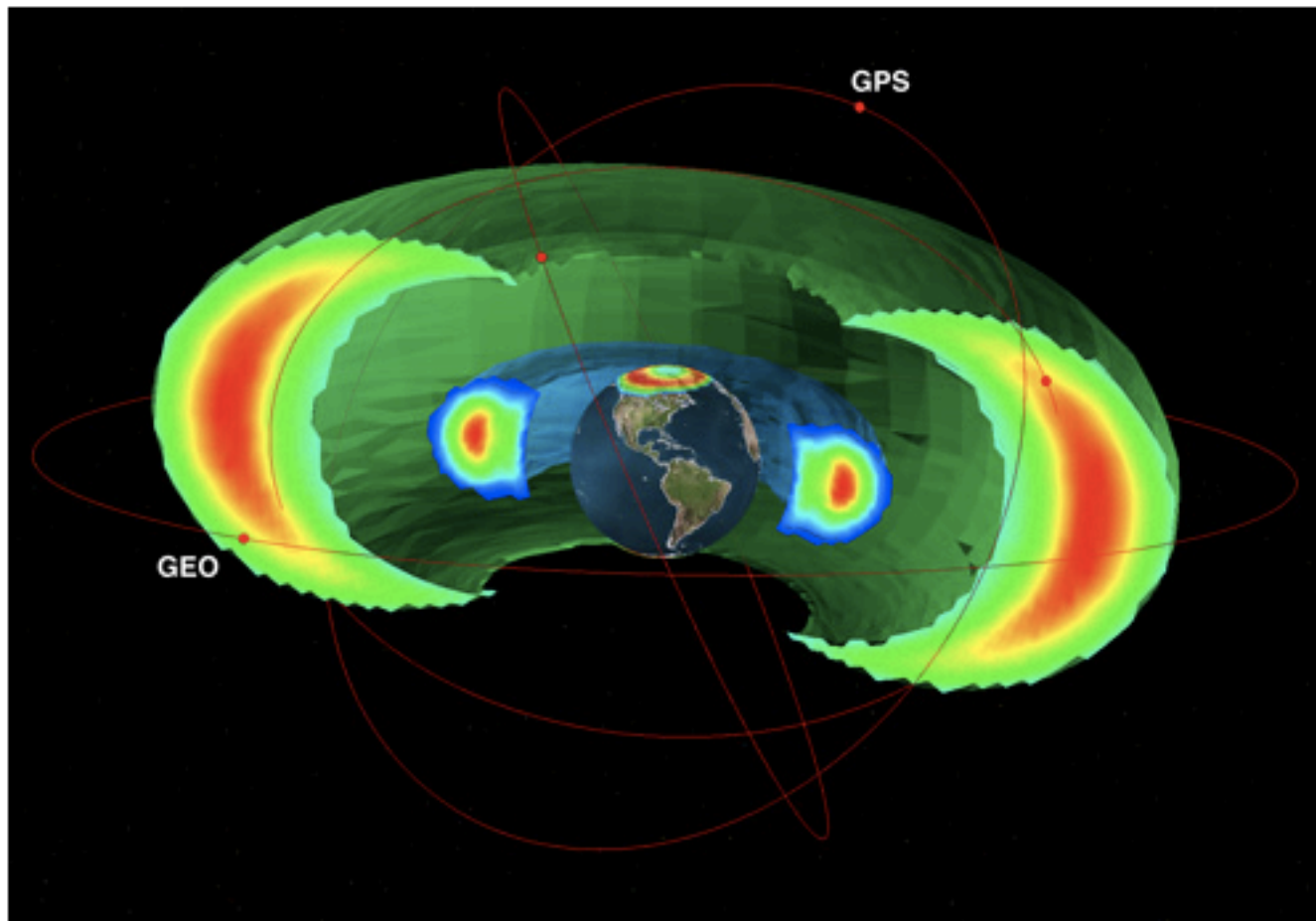
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Earth's magnetic field

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The Earth's magnetosphere



Model-generated image showing the two main radiation belts, the outer belt and the inner belt. The model was developed at the Air Force Research Laboratory. Shown here are representative orbits for three GPS and one geosynchronous spacecraft.