Planetary Heat Budget Model

Heat Content

Solar Absorption (SolarAbs)

Albedo

Long-Wave Emission (LWIREmission)

Spectral Absorption Coefficient (SolarFlux)

Cross-Section Area of Planet (XSectAreaPlanet)

Surface Area of Planet (SfcAreaPlanet)

Tplanet

Stefan-Boltzmann Constant (StefBoltzConst)

Mass Affected (MassAffected)

Volume Affected (VolumeAffected)

Specific Heat (SpecHeat)

Density

Depth Affected (DepthAffected)

Solar Constant (SolarConst)

Distances from Planet to Sun (DistPlanet2Sun, DistPlanet2SunAvg)

Radius of Planet

Secs to Yrs Conversion (Secs2Yrs)

SfcAreaPlanet