atmosphere

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Section **Planetary Atmospheres**

Section Editorial Board

Section Information

The Planetary Atmospheres section broadly includes studies involving the atmospheres of solar-system planets and moons (with Earth included in comparative planetology studies), and the atmospheres of extrasolar planets. For solid-surface (terrestrial) planets, the regional scope spans from the planetary boundary layer to the thermosphere. For gas–giant planets, the regional scope spans from interaction with the deep fluid interior to the thermosphere. Space weather is generally treated elsewhere, but the interaction with aeronomy is in the section's scope.

All types of studies are welcome, including observations and data analysis, modeling, model expositions, theoretical work, laboratory studies, and remote sensing and in situ probe feasibility studies. A full range of topics is covered, including atmospheric dynamics, atmospheric chemistry, atmospheric structure, formation and evolution, observation strategies, and the interplay between disciplines. Comparative planetology is particularly encouraged.

Author Benefits

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