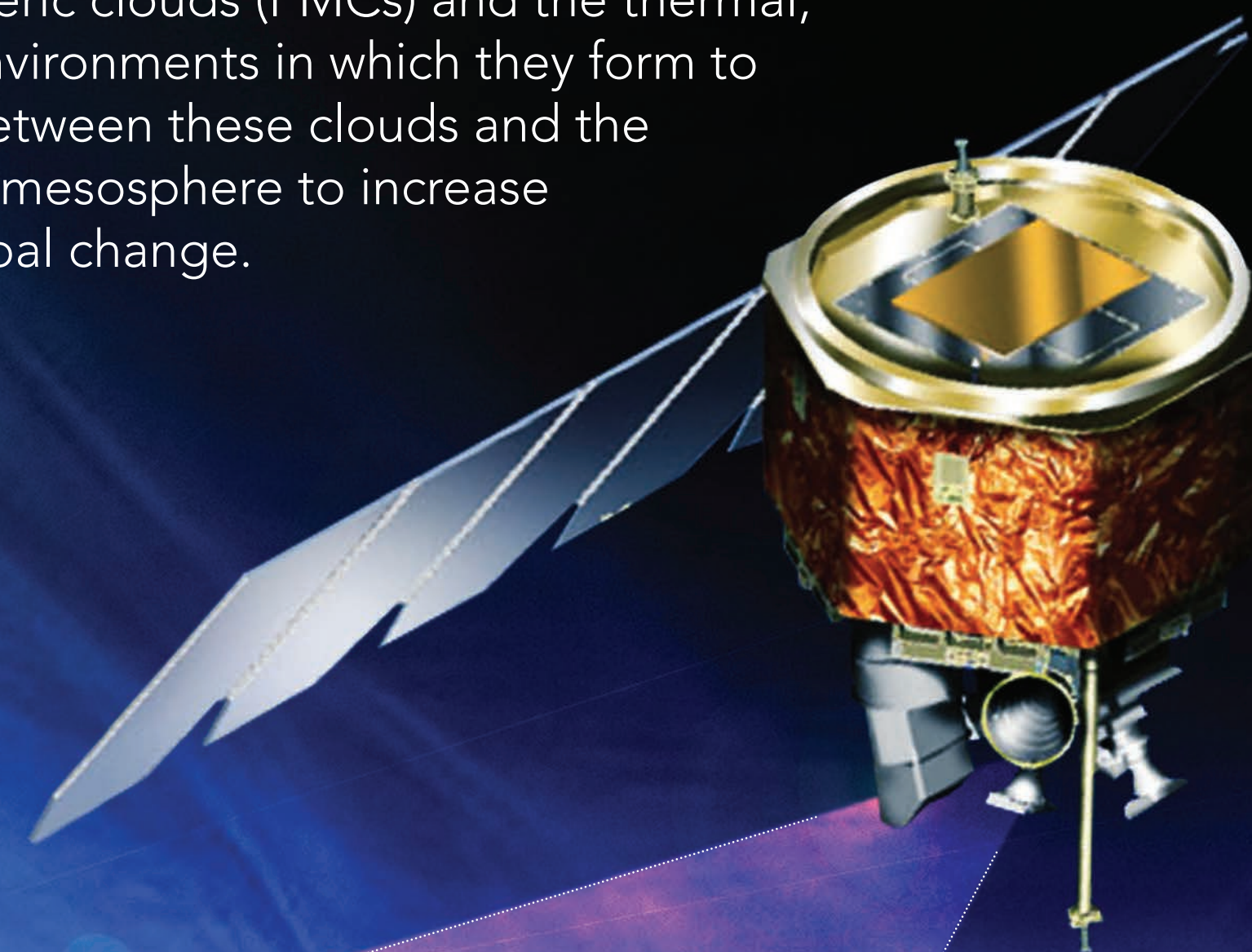


Examining How Noctilucent Clouds Affect Climate Change.

For nearly 16 years, Solar Occultation For Ice Experiment (SOFIE) measured polar mesospheric clouds (PMCs) and the thermal, chemical, and dynamic environments in which they form to determine associations between these clouds and the meteorology of the polar mesosphere to increase our understanding of global change.



MISSION

AIM Aeronomy of Ice in the Mesosphere

Institution: NASA

Launch: 2007

Planned Duration: 26 months

Mission Duration: ~16 years

SOFIE

Instrument: SOFIE with 16 separate spectral bands, arranged in eight pairs between 0.29 and 5.3 μm

Design/Build: Space Dynamics Laboratory

Publications: 379 scientific peer-reviewed papers