

Emerging Implications of a Ten-year Terra Data Record for Earth Science

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Ten years of observations from Terra's five instruments, ASTER, CERES, MISR, MODIS, and MOPITT have changed the way we view the planet. Daily observations of Earth's land surface, oceans, and atmosphere over a decade has led to a better understanding of atmospheric circulation, the energy budget, and the interplay of human action and bio-geochemical cycles. Multi-sensor cross-platform data calibration and data fusion has led to even better data products and performance potentially reducing uncertainty in the energy budget and other Earth system processes.

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