

GLOBE Partnerships with Satellite Missions

Satellite(s)	Instrument(s)	GLOBE Protocol(s)
ESSP CloudSat (Earth System Science Pathfinder Project)	CPR (Cloud Profiling Radar)	Atmosphere
EOS Terra and Aqua (Earth Observing System)	MODIS (Moderate Resolution Imaging Spectroradiometer) CERES (Clouds and the Earth's Radiant Energy System) AMSR/E (Advanced Microwave Scanning Radiometer-EOS) AMSU (Advanced Microwave Sounding Unit) AIRS (Atmospheric Infrared Sounder) HSB (Humidity Sounder for Brazil) MOPITT (Measures of Pollution in the Troposphere) MISR (Multi-angle Imaging SpectroRadiometer)	Land Cover Surface Temperature Hydrology Atmosphere Aerosols Column Water Vapor
ESSP CALIPSO (Cloud-Aerosol Lidar and Infrared Pathfinder Satellite Observations)	LIDAR (LIght Detection And Ranging)	Atmosphere Aerosols
LandSat	ETM+ (Enhanced Thematic Mapper Plus)	Clouds and Contrails Snow Land Cover Soil Characterization Surface Temperature
EOS Aura	OMI (Ozone Monitoring Instrument) HIRDLS (High Resolution Dynamics Limb Sounder) MLS (Microwave Limb Sounder) TES (Tropospheric Emission Spectrometer)	UVA Surface Ozone Atmosphere Aerosols
AIM (Aeronomy of Ice in the Mesosphere)	SOFIE (Solar Occultation for Ice Experiment) CIPS (Cloud Imaging and Particle Size Experiment) CDE (Cosmic Dust Experiment)	Clouds and Contrails Aerosols Column Water Vapor Carbon Dioxide (in design stage)
GOES (Geostationary Operational Environmental Satellite)	GOES I-M Imager Sounder Space Environmental Monitor	Atmosphere Aerosols Surface Temperature
SPOT (commercial satellites)	HRS (High Resolution Stereoscopic)	Land Cover Soil Characterization
Various NOAA/NASA satellites	AVHRR (Advanced Very High Resolution Radiometer)	Clouds and Contrails Phenology Hydrology Surface Temperature Soil Characterization Water Vapor
Earth Probe TOMS satellite	TOMS (Total Ozone Mapping Spectrometer)	Surface Ozone
ESSP OCO (Orbiting Carbon Observatory)	Spectrometer	Carbon Dioxide (in design stage)
AIM (Aeronomy of Ice in the Mesosphere)	SOFIE (Solar Occultation For Ice Experiment) SHIMMER (Spatial Heterodyne IMager for MEsospheric Radicals) CIPS (Cloud Imaging and Particle Size experiment) CDE (Cosmic Dust Experiment)	Polar Mesospheric Clouds (in design stage)

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