

## **Lockheed Martin-AMS Corporate Patron**

Lockheed Martin Corporation (LMC), headquartered in Bethesda, Maryland, has a long history of service to the meteorological and environmental community. LMC built and launched the world's first weather satellite, TIROS I, in 1960 and since that time has deployed over 100 satellites (accommodating over 600 instruments) to observe the Earth and the sun, including legacy polar-orbiting operational satellites for NOAA and Defense Department. Continuing this proud heritage, Lockheed Martin has developed NOAA's new Geostationary Operational Environmental Satellite - series R (GOES-R). The first two of this series, GOES-R and -S are now operational as GOES-East and GOES-West, respectively. Onboard are two new instruments built by Lockheed Martin: the solar ultraviolet imager (SUVI) and the geostationary lightning mapper (GLM). LMC is also a partner in NASA's future GeoCarb mission – developing the first-ever geostationary carbon monitoring instrument. LMC is also a world leader in ground-based weather systems, most recently the WindTracer™ lidar which detects wind shear and wake vortex conditions at airports. The Corporation builds a range of meteorological and oceanographic sensors, including expendable probes that collect data on the physical properties of the ocean and upper atmosphere, which are used by the National Weather Service and other customers. LMC also provides systems to the Department of Defense and civil agencies to ingest environmental data from low-earth-orbiting and geostationary satellites around the world.