



PRIVATE INDUSTRY

THE WEATHER SPHERE BRINGS UNIVERSITY, FEDERAL, STATE AND PRIVATE INDUSTRY TOGETHER.

Atmospheric and Environmental Research, Inc.

Atmospheric and Environmental Research, Inc. (AER) has been providing superior science for research and industrial applications since 1977. Our scientists encompass a broad range of expertise across disciplines engaging science and technology to study oceans, the earth and its atmosphere, space and distant planets. Our staff has contributed to breakthrough technologies in remote sensing, weather forecasting and global change science in the form of radiative transfer model development, remote sensing innovation, end-to-end sensor simulation and performance modeling, environmental model applications and weather impacts on sensor technologies.

AER has an international reputation in an academic-like research environment, with a corporate-lite culture featuring accountability and innovation in support of major national programs and sponsors. Applications developed at AER are operational at many major civilian and military centers around the world. Our products are used by military pilots, broadcasters, energy traders and financial institutions.

Our Oklahoma office supports a strategic alliance with the University of Oklahoma to leverage complementary strengths on initiatives spanning a broad range of weather and climate-related research and development initiatives.

In addition to our Lexington, Massachusetts headquarters, AER has offices in Colorado, Virginia, Nebraska and California.

Image credits

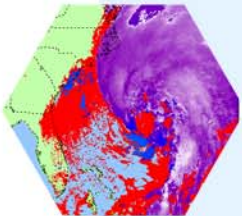
Middle: AER Cloud Remote Sensing Group. Cloud-particle effective diameter derived from GOES-12 images of hurricane Noel, red color=10 μm (water droplets), white-purple-blue colors = 40-50 μm (ice particles).

Bottom: NOAA. Artist's rendition of the GOES-R satellite.



"AER's research enhances the performance of weather predictions by exploiting ground-based and remotely-sensed data from existing and future sensor systems."

Ron Isaacs
Executive Vice President



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