



VALIDAR, a mobile trailer has been outfitted for lidar field experiments. Shown here is the trailer delivering the Doppler Aerosol Wind Lidar (DAWN) at NASA Dryden in Palmdale, CA for installation in the DC8 aircraft. VALIDAR includes a class 10,000 clean room for working with lasers and optics that require a dust-controlled environment. A beam scanner can be installed through the roof of VALIDAR for transmitting a lidar beam into the atmosphere. VALIDAR has been deployed in field experiments to Wisconsin, Iowa, and Maryland to make measurements of wind and carbon dioxide concentrations.