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C-130 Hercules #439 Instruments

Instrument	Full Name	Contact Person	Team	Type	Measurements
SSFR	Solar Spectral Flux Radiometer	Peter Pilewskie (Co-I)	SSFR	Radiometer	Solar flux, Irradiance
4STAR	Spectrometer for Sky-Scanning, Sun-Tracking Atmospheric Research	Meloe S. Kacenelenbogen (Co-I)	NASA ARC Sunphotometer/ Satellite (SunSat)	Spectrometer	NO2, O3, H2O, Spectral Aerosol Optical Depth, Aerosol Extinction Angstrom Exponent, Aerosol Single Scattering Albedo, Aerosol Asymmetry Parameter, Aerosol Scattering phase function, Aerosol Size Distribution, Aerosol Complex Refractive Index, Cloud Optical Depth, Cloud droplet effective radius, Cloud Thermodynamic Phase, Cloud Liquid Water Content
LVIS	Land, Vegetation and Ice Sensor	J. Bryan Blair (PI)	LVIS	Lidar	Vegetation, Vegetation structure, surface topography, ice and sea ice elevations, ocean surface topography
BBR	BroadBand Radiometers	Anthony Bucholtz (PI)	BBR	Radiometer	Solar and IR radiative flux; Total, Direct, Diffuse Solar radiative flux
LARGE-classic	Langley Aerosol Research Group Experiment	Edward L. Winstead (Mgr)	LARGE	CN counter, Nephelometer, Optical particle counter	Aerosol Number Concentration, Aerosol Size Distribution, Scattering Coefficient, Absorption Coefficient

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