CIRES

The NOAA P-3: A Flying Chemical Laboratory

SENEX – Southeast Nexus









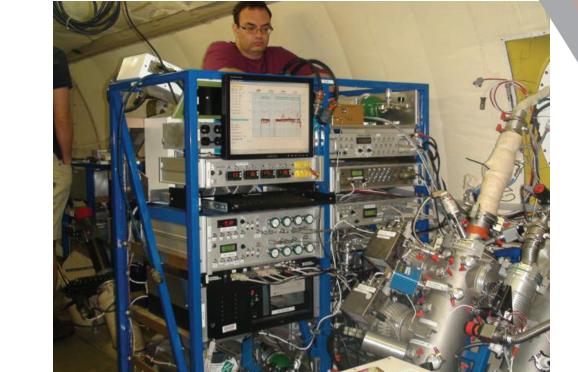
Studying the Interactions Between Natural and Anthropogenic **Emissions at the Nexus** of Air Quality and **Climate Change**



Wing Pods and Instruments on the Fuselage

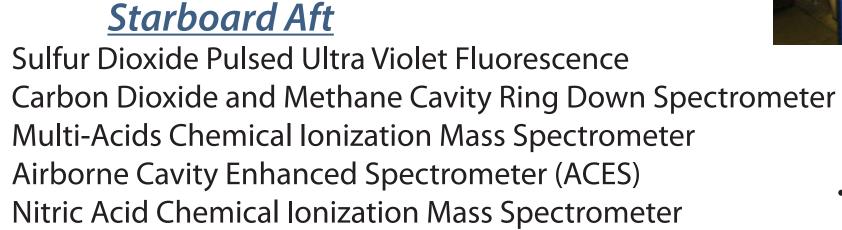
Improved Whole Air Sampler with Immediate Analysis System and Nucleation Mode Aerosol Size Spectrometer-Under Starboard Wing Aerosol Low Turbulence Inlet-Outside Port Side Forward

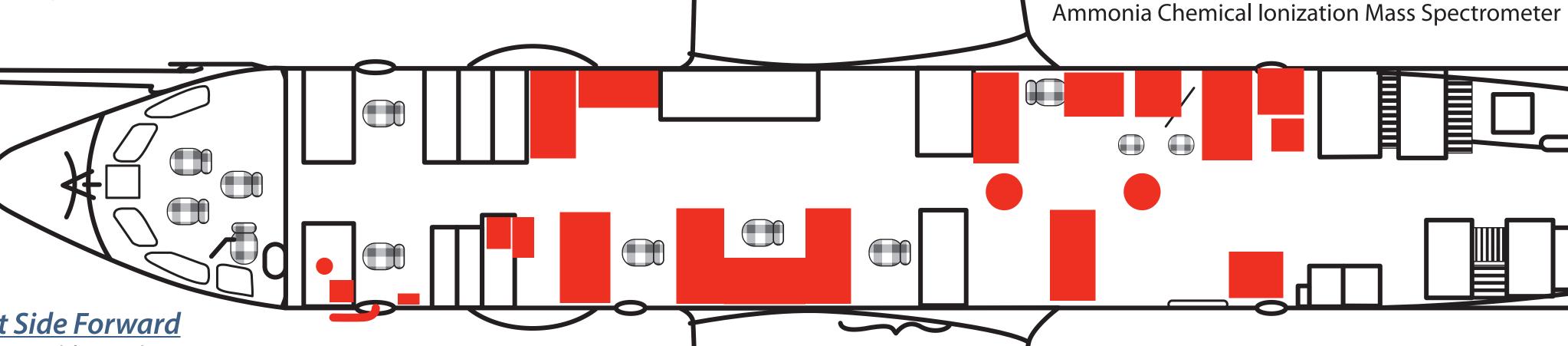
Carbon Monoxide-Under Port Side Wing Cloud Probes-End of Port Side Wing



Starboard Forward

Nitrogen Oxides and Ozone Chemiluminescence Instruments



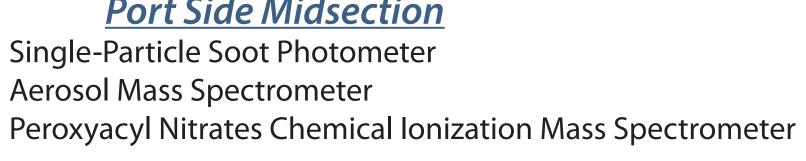


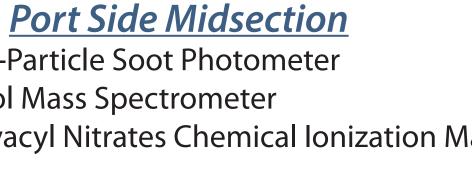
Port Side Forward

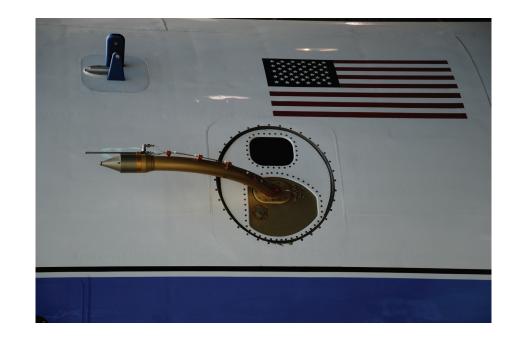
Water Vapor Tunable Diode Laser Spectrometer White-Light Optical Particle Counter Cloud Condensation Nucleus Counter Aerosol Extinction Cavity Ring Down Spectrometer Particle Soot Absorption Photometer Particle Photoacoustic Absorption Spectrometer Ultrahigh Sensitivity Aerosol Size Spectrometer



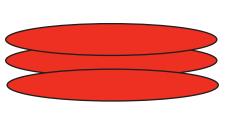
Filter Radiometers (Up and Down Looking) Oxides of Nitrogen Cavity Ring Down Absorption Spectrometer Proton Transfer Reaction Mass Spectrometer Formaldehyde Laser Induced Fluorescence Spectrometer





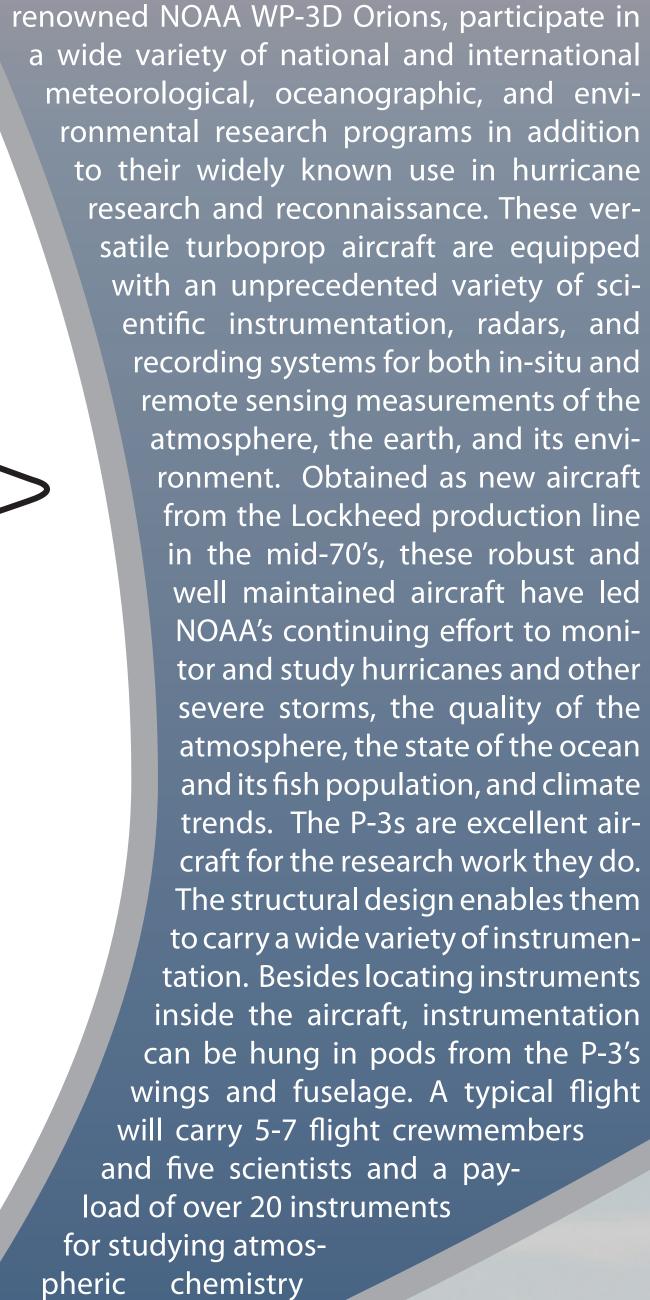












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