

# Weather Observations from Aircraft

Presented to: FPAW

By: Sandra Schmidt

Date: November 11, 2005



Federal Aviation  
Administration



# Today's Topics

- **Aviation Applications of Automated Aircraft Weather Data**
- **Tropospheric Aircraft Meteorological Data and Reporting (TAMDAR)**
- **Meteorological Data Collection and Reporting Service (MDCRS)**
- **In-situ Turbulence**
- **Automated Aircraft Program Status**



# Common Themes

- **Increase collection of automated weather observations below FL200**
- **Increase collection of automated weather observations in data sparse areas**
- **Increase in Water Vapor and Turbulence observations**
- **Include weather observations in operational models**
- **Improve quality control of automated weather observations**
- **Explore weather observation optimization options**

