

## Specifications:

- Measurement of wind, pressure, temperature, relative humidity, and sea surface temperature
- Wind measurement used Doppler shift and not position
- Wind measurements at no less than 4 Hz
- Pressure, temperature, and relative humidity measurements at no less than 2 Hz
- Sea surface temperature at no less than 1 Hz
- No parachute on dropsonde for less launch failures
- Compatible with DC-8 dropsonde launch tube
- Compatible with 28 VDC electrical power
- Temperature response time no longer than 0.05 deg C per second
- Telemetry receiver capable of up to 40 dropsondes in air simultaneously
- Telemetry uses “forward error correction”
  
- Install telemetry receiver on NASA DC-8 Aircraft and 6-month loan of telemetry receiver during Polar Winds Iceland campaign.