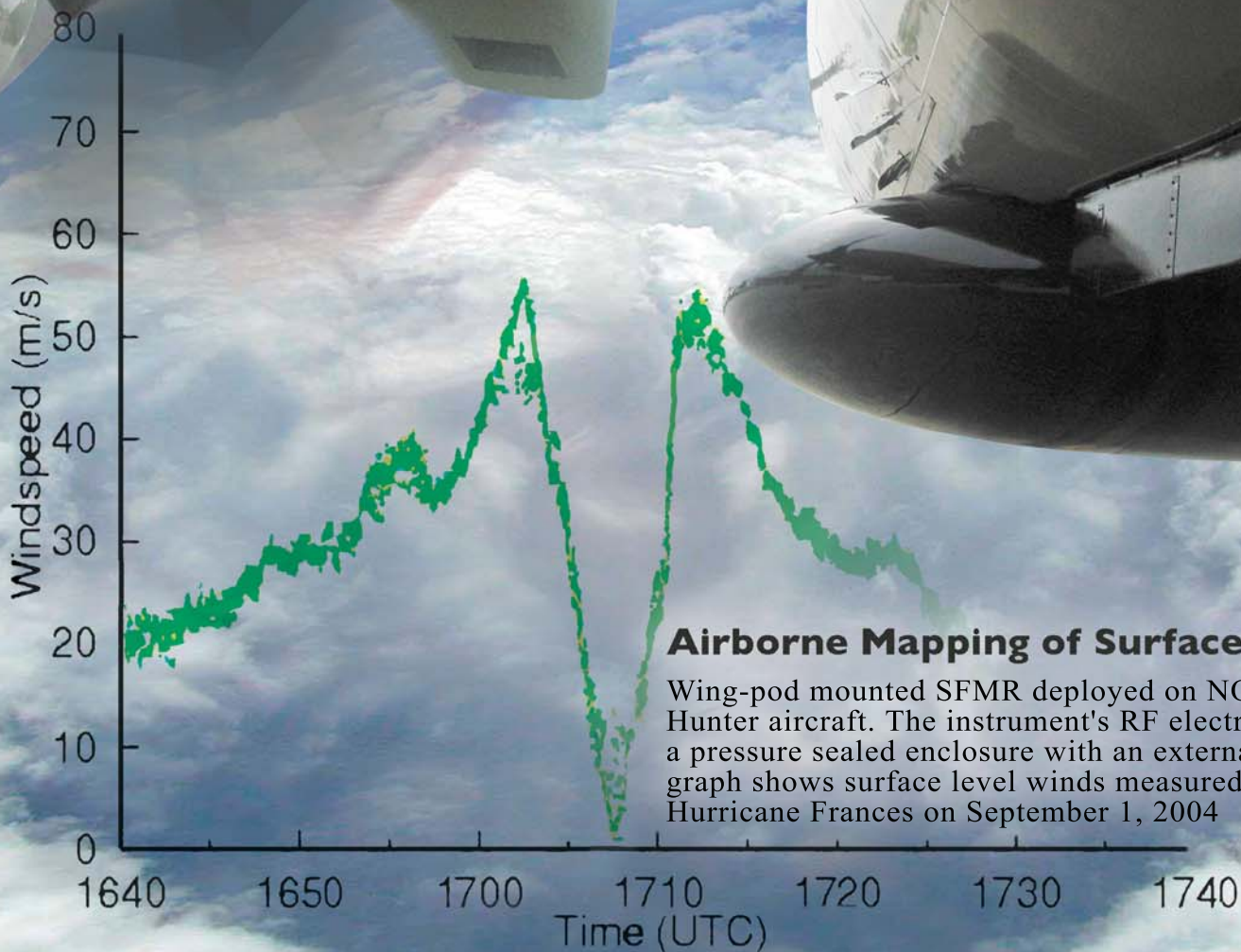


# STEPPED FREQUENCY MICROWAVE RADIOMETER

Impacts National Hurricane Center forecast during the 2004 hurricane season



## Airborne Mapping of Surface Wind Speed

Wing-pod mounted SFMR deployed on NOAA's Hurricane Hunter aircraft. The instrument's RF electronics are housed in a pressure sealed enclosure with an external antenna. The graph shows surface level winds measured through the eye of Hurricane Frances on September 1, 2004

ProSensing is a systems engineering firm specializing in custom-built radar and radiometer systems for a wide range of remote sensing applications. Our company has a highly qualified technical staff, with expertise in microwave systems, antenna design, radar polarimetry, radiometry, radar oceanography, radar meteorology, high speed data acquisition, and digital signal processing. Since 1990, we have delivered over 25 complete systems to various government research agencies, including ONR, NRL, NOAA, NASA, and AFRL, as well as commercial customers in USA, Canada, Australia, Japan and Europe.



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