



Turbulence Detection and Awareness Technologies (TDAS)

Steve Velotas

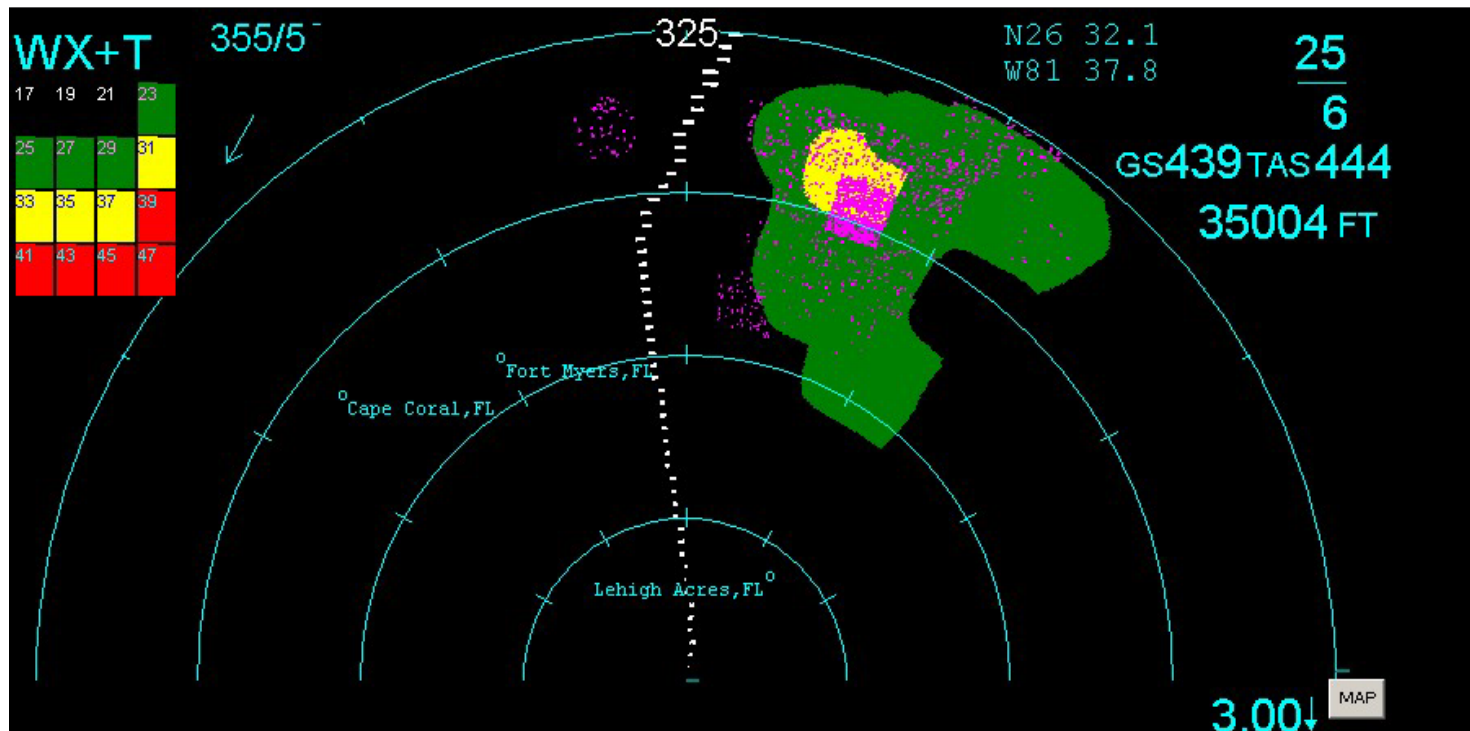
Friends and Partners in Aviation Weather (FPAW)
NBAA 2007

September 27, 2007

Enhanced Turbulence Mode Radar

Enhanced Turbulence (E-Turb) Mode Radar

- ✦ E-Turb Radar ISE completed. Contractor Reports available.
- ✦ FAA is developing MOPS and Modification to TSO-c63.

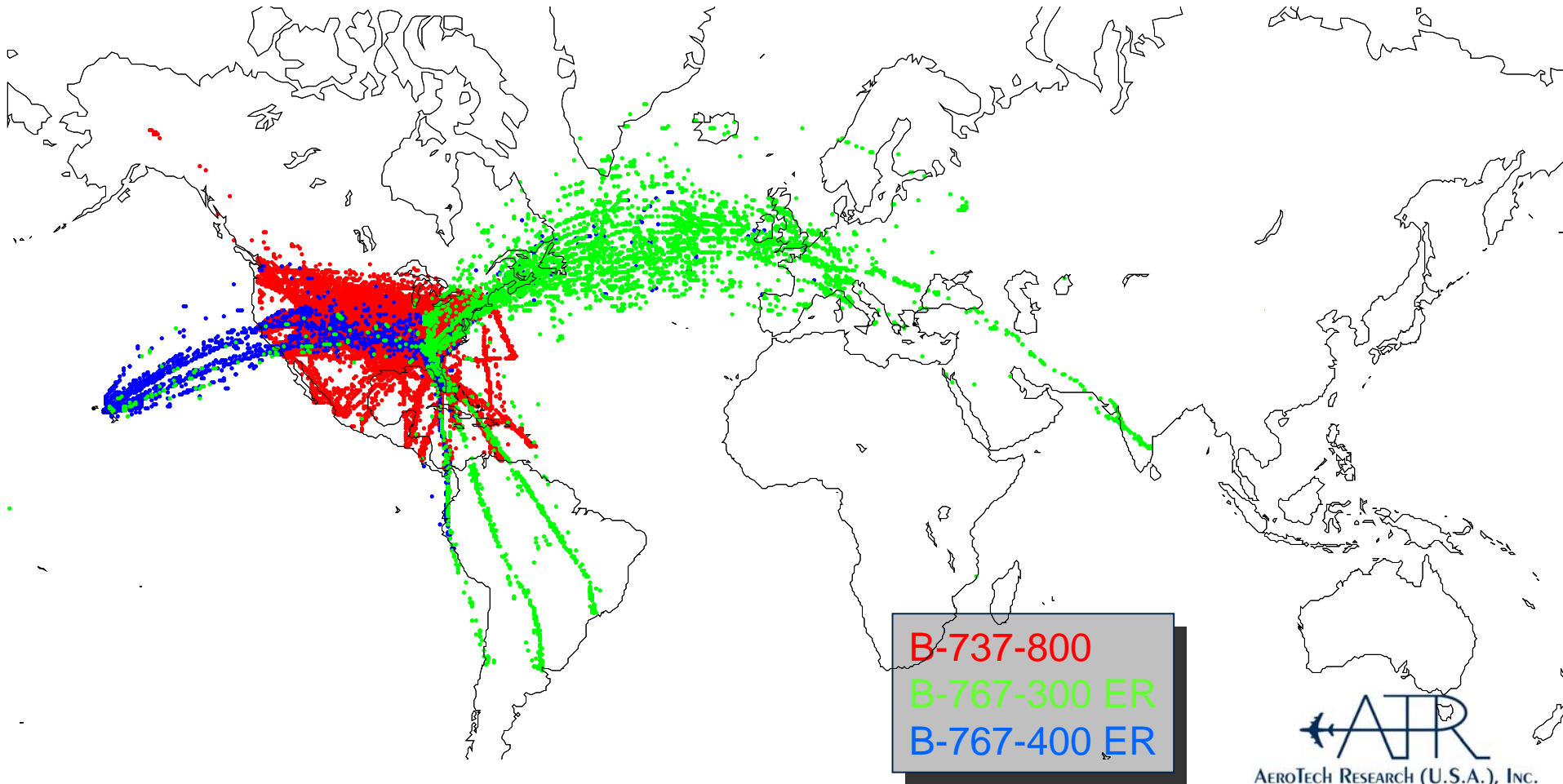


Courtesy of Rockwell Collins

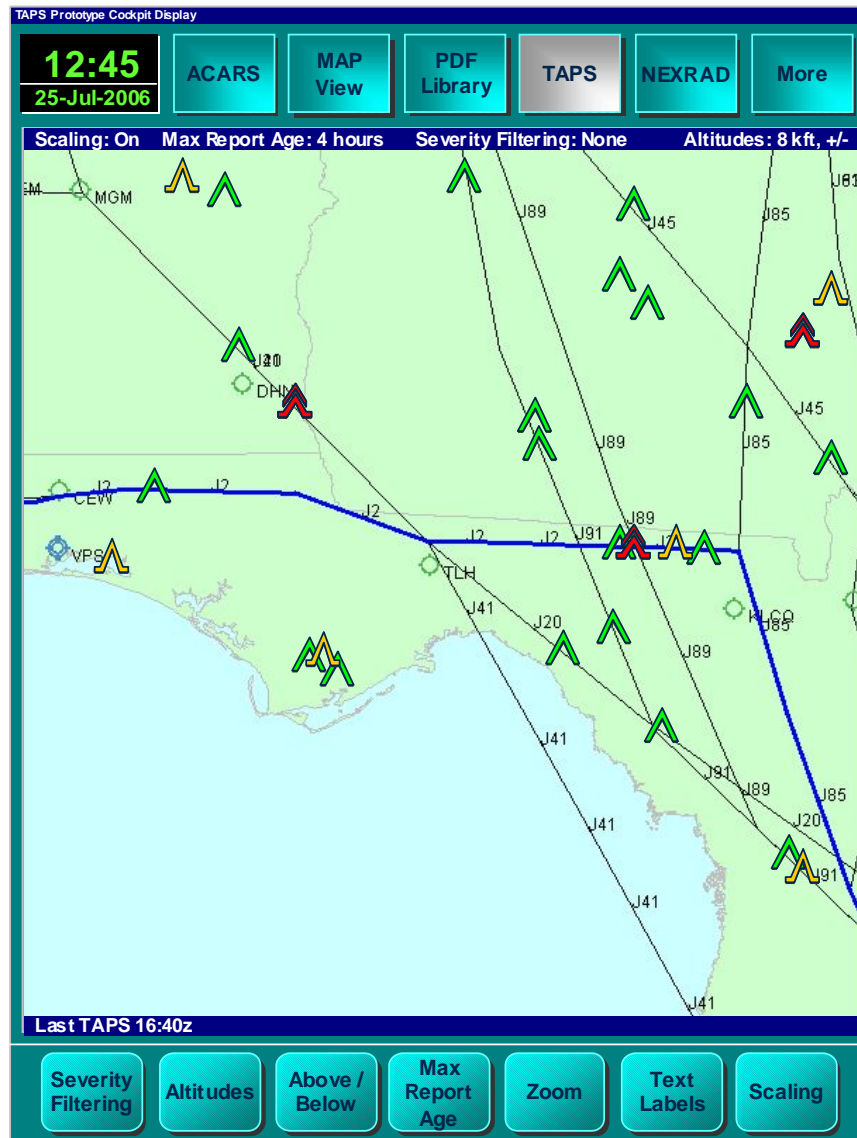
Turbulence Auto-PIREP System (TAPS)

In-Service Evaluation Completed

- ✦ NASA Contractor Reports from AeroTech and Delta.
- ✦ Showed benefits to dispatchers, maintenance, pilots, meteorologists.



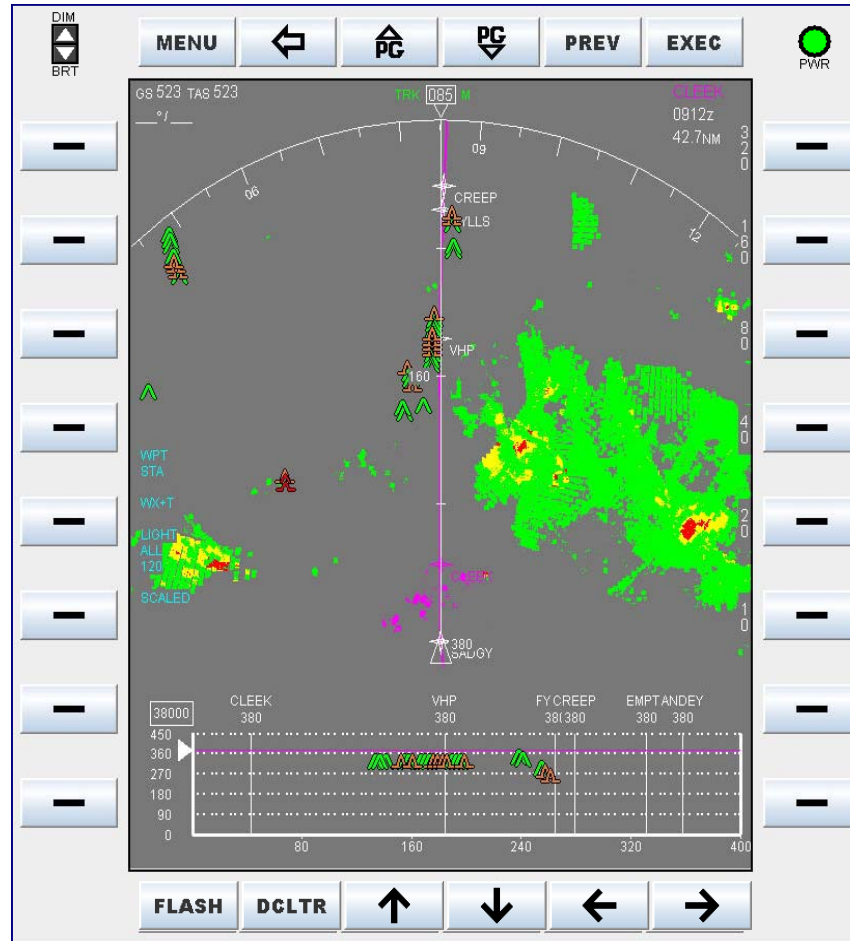
TAPS EFB Application



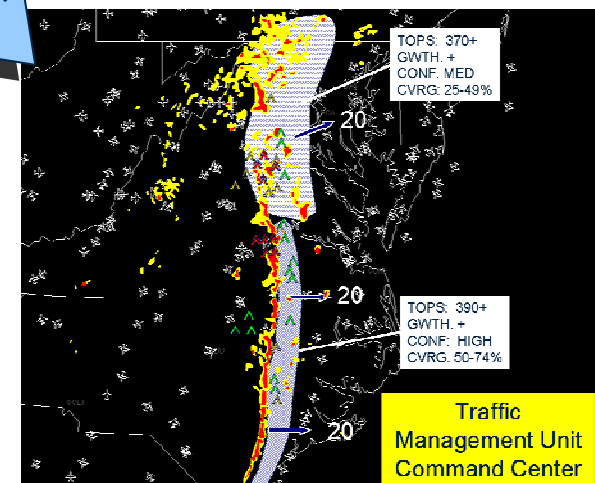
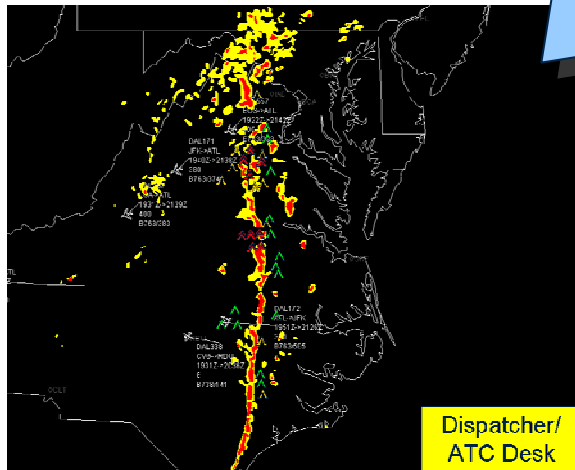
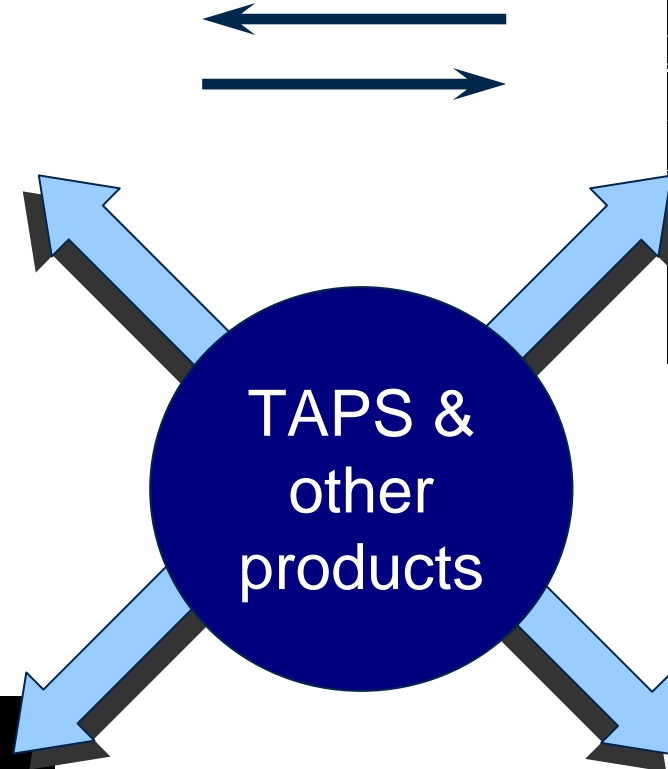
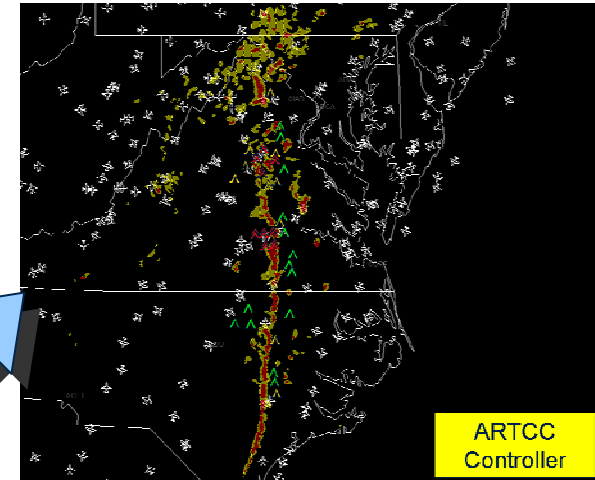
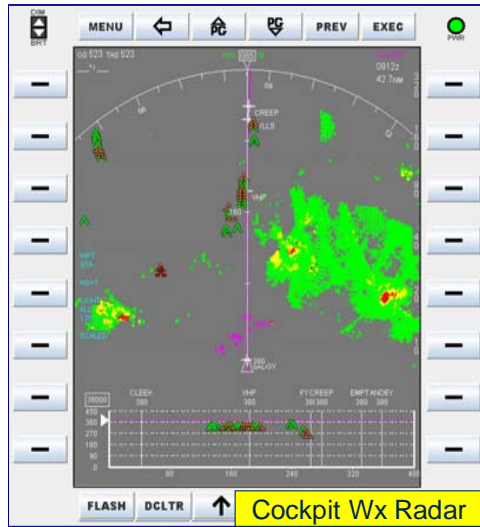
E-Turb and TAPS Integration

Development and Evaluation of an Integrated Turbulence Hazard Display

- ✦ E-Turb Magenta
- ✦ TAPS Reports



Networked Turbulence Information



Hierarchy of Turbulence Products

