



# *Turbulence Detection and Awareness Technologies (TDAS)*

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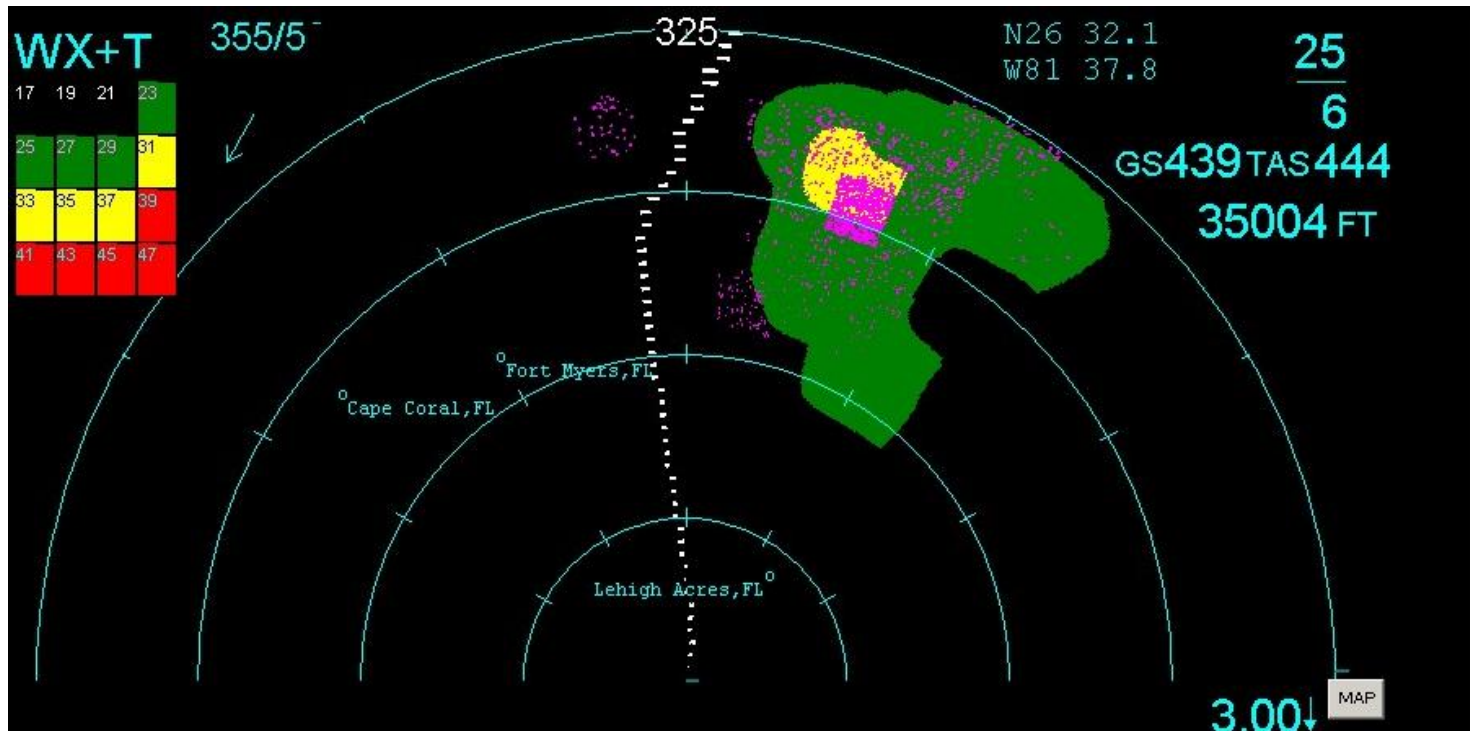
Presentation To Friends and Partners of Aviation Weather (FPAW)  
NBAA 2007

September 27, 2007

# Enhanced Turbulence Mode Radar

## # Enhanced Turbulence (E-Turb) Mode Radar

- ⊕ E-Turb Radar flying on Delta B737-800 in revenue service since 2004
- ⊕ FAA is developing MOPS and Modification to TSO-c63

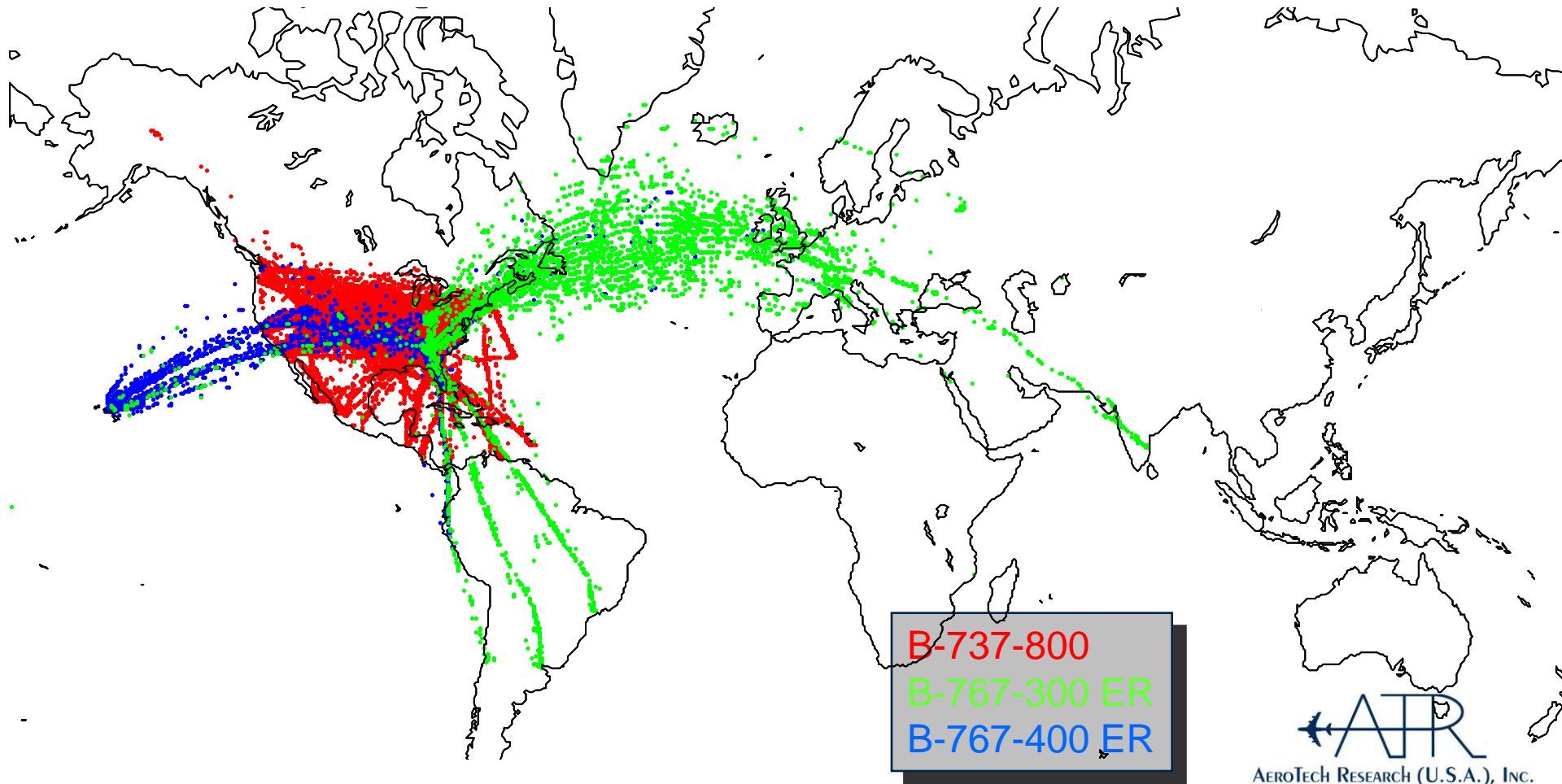


Courtesy of Rockwell Collins

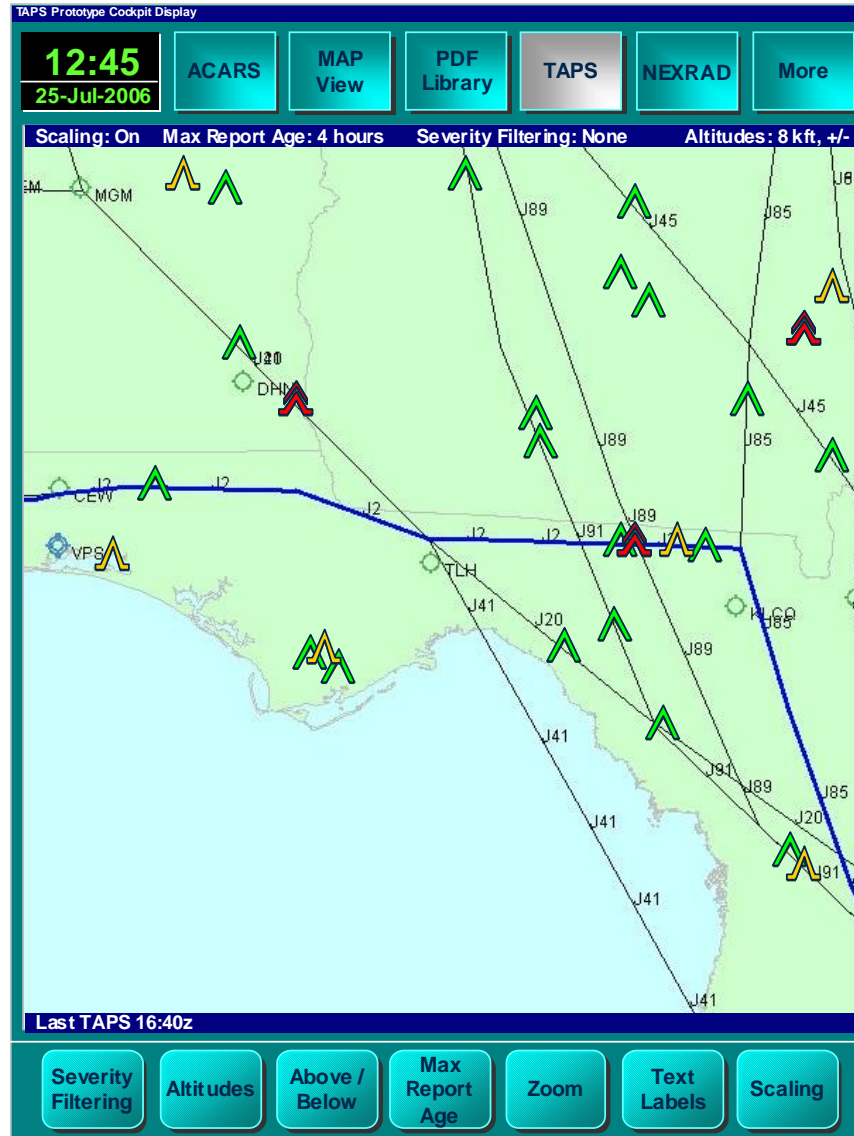
# Turbulence Auto-PIREP System (TAPS)

## # In-Service Evaluation Completed

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



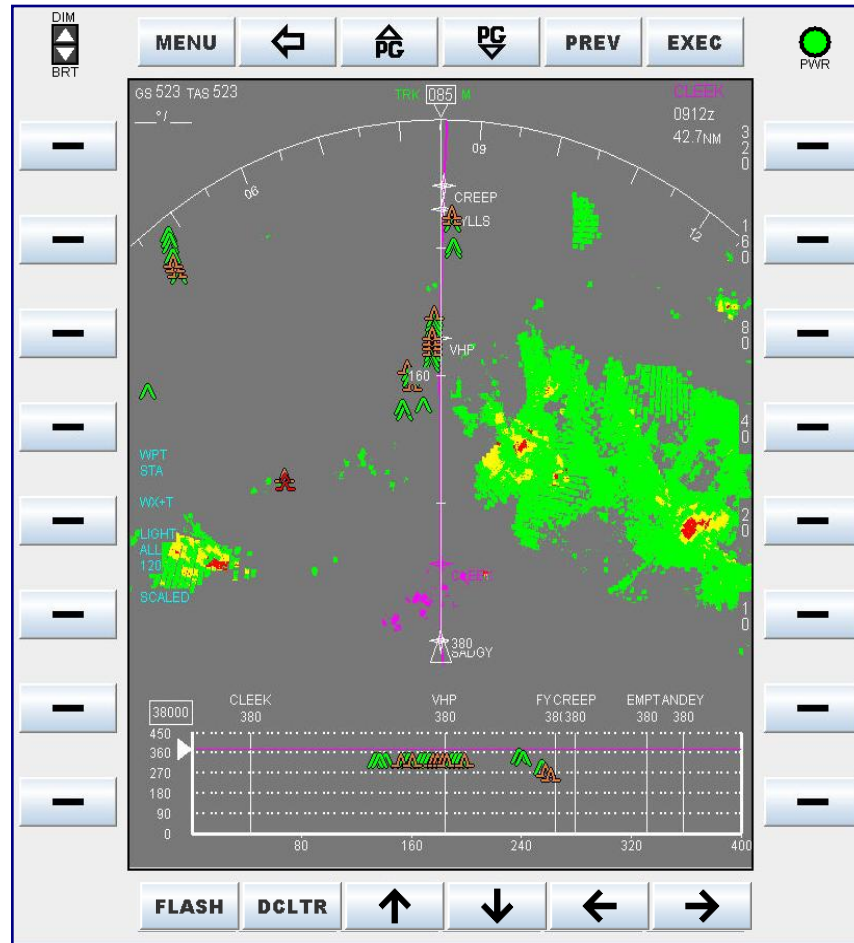
# TAPS EFB Application



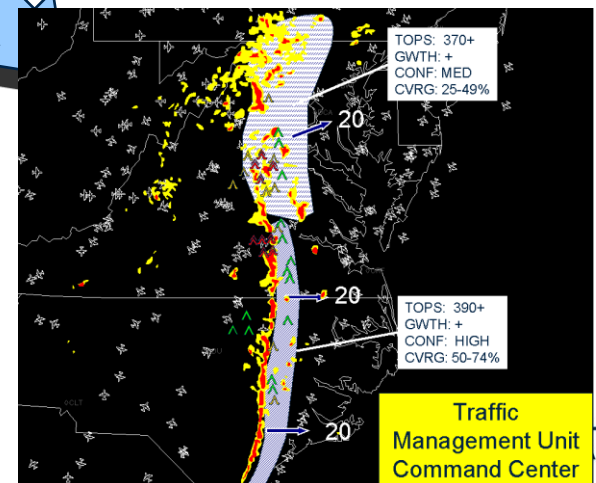
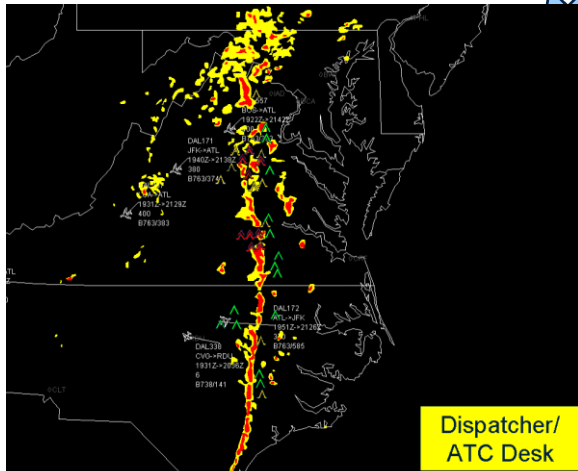
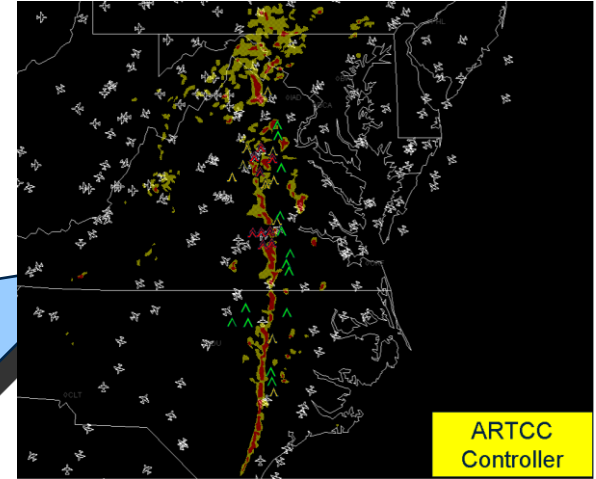
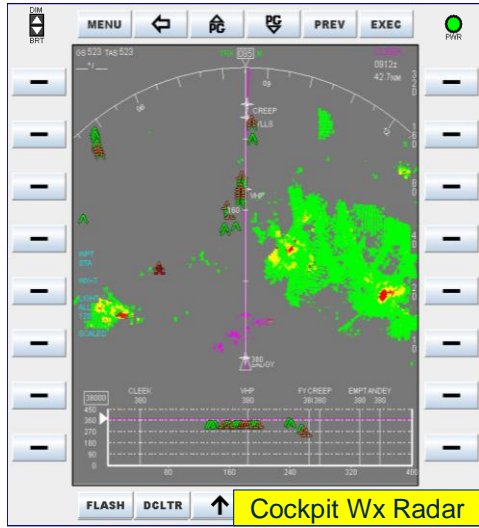
# E-Turb and TAPS Integration

## # Development and Evaluation of an Integrated Turbulence Hazard Display

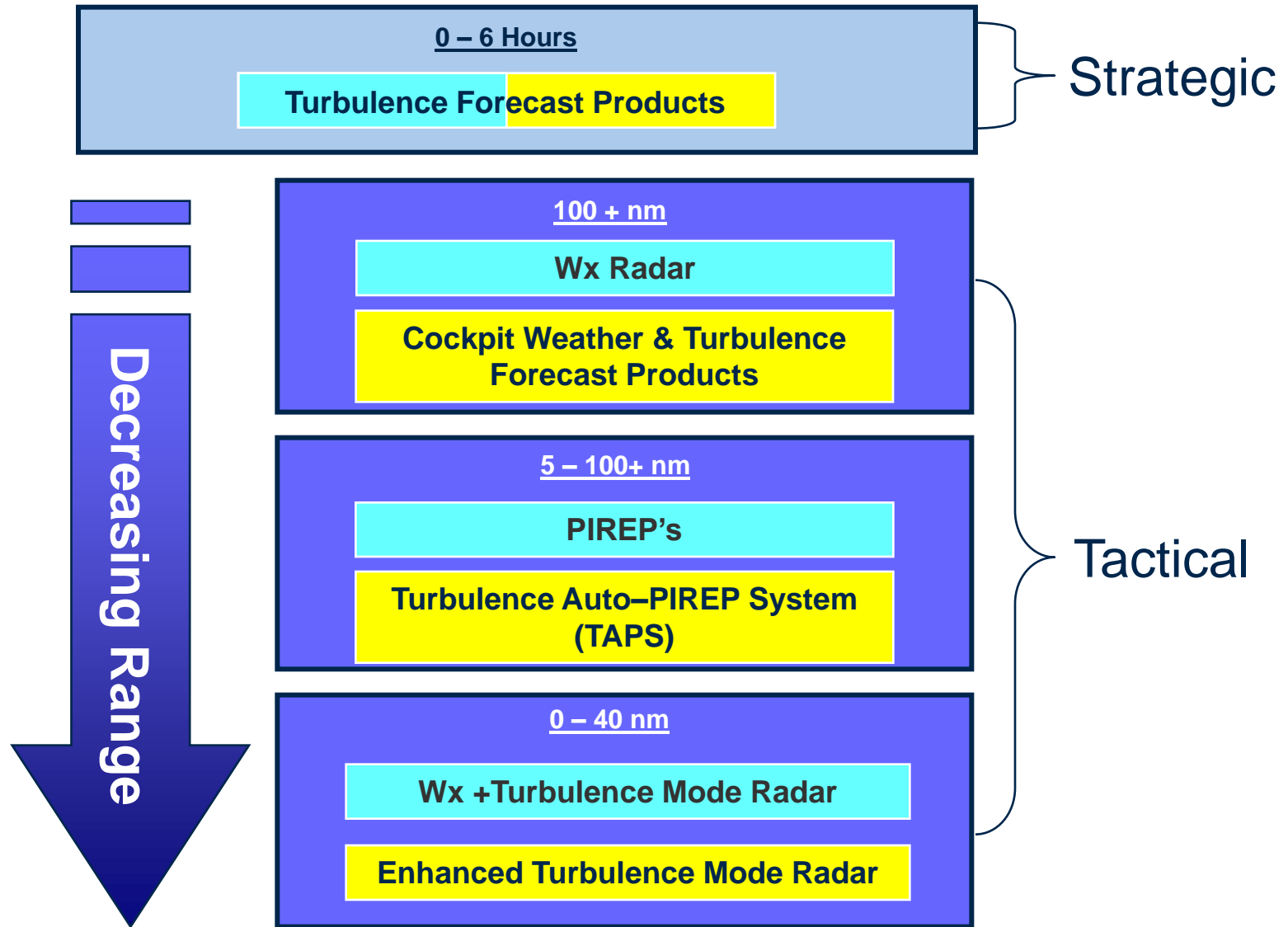
- ⊕ E-Turb Magenta
- ⊕ TAPS Reports



# Networked Turbulence Information



# Hierarchy of Turbulence Products



 - Under Development

 - Currently in Use