

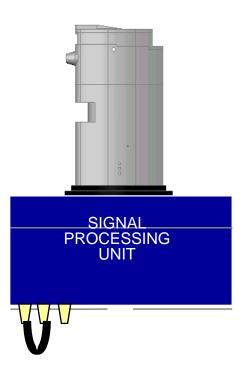
Weather from the Aircraft (ex:TAMDAR System)

FRONT VIEW



REAR VIEW

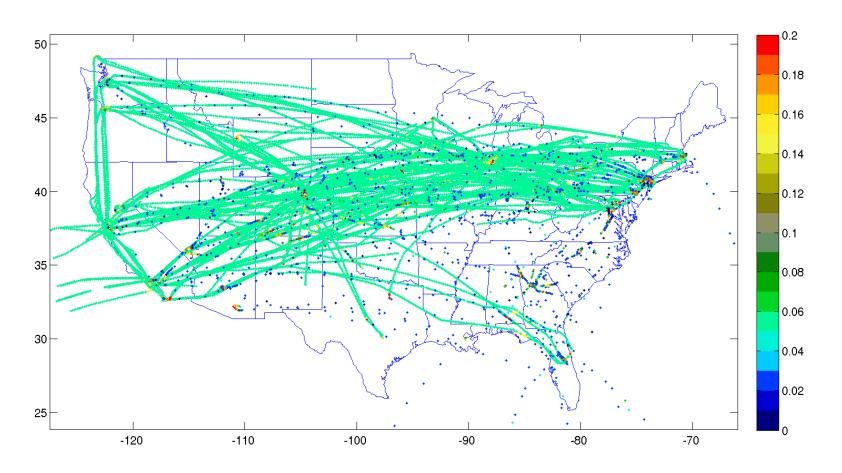








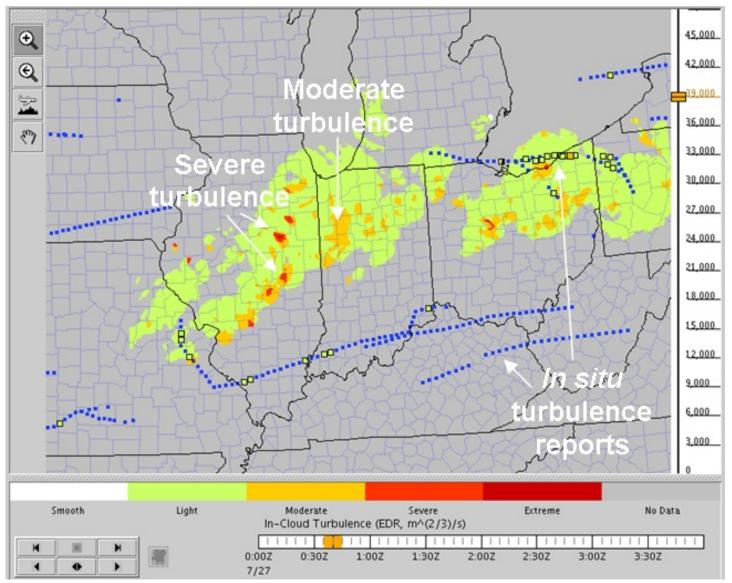
MDCRS Data from aircraft (United aircraft routes/data)







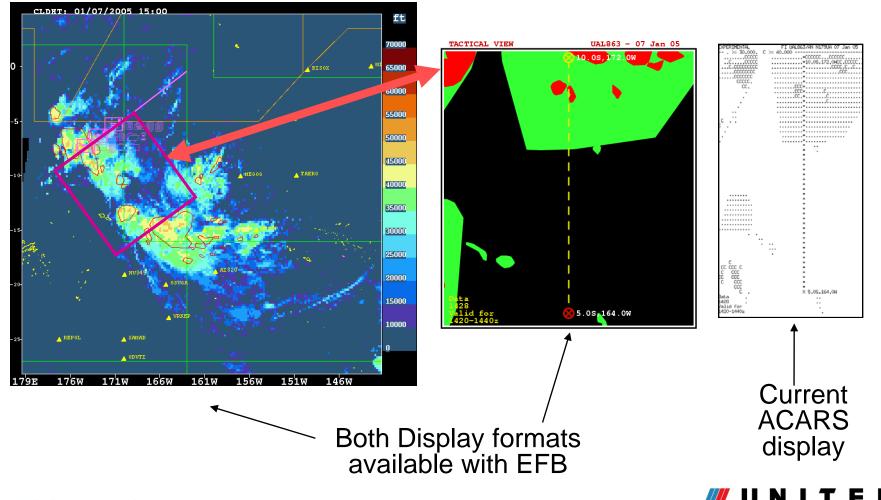
Reducing Turbulence Injuries with TBC Graphics







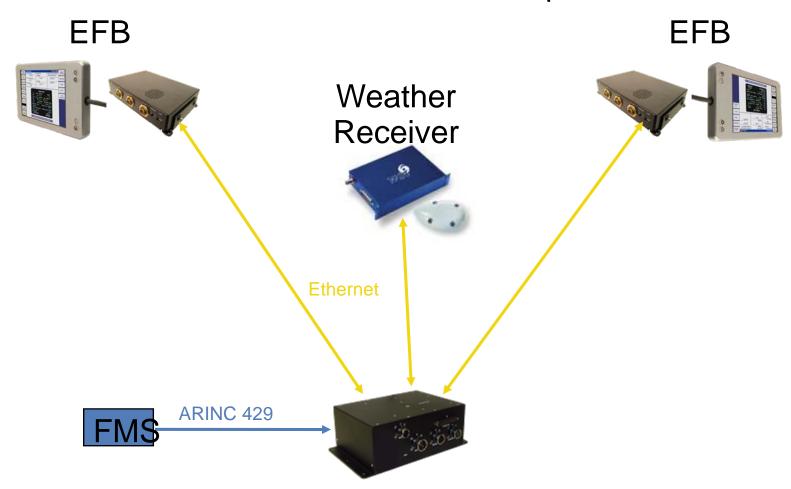
Oceanic Turbulence Injury reductions with Graphical data







AIRNET Hardware Components

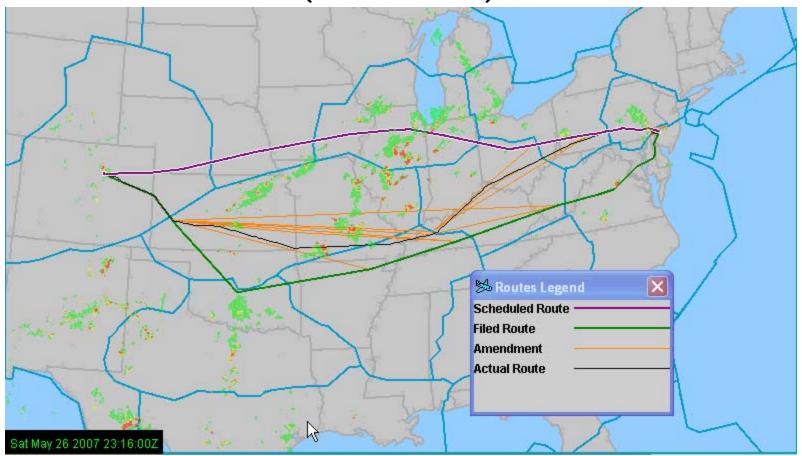






Weather re-route real time example

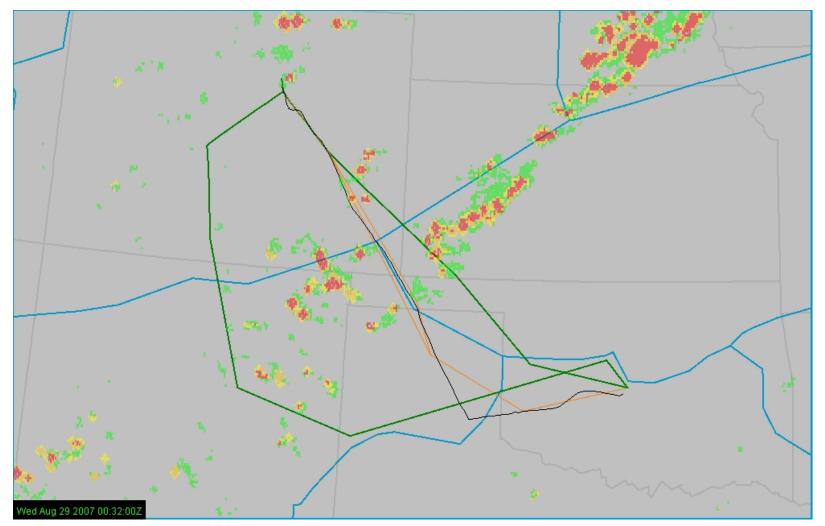
(UAL 476)







Weather re-route (UAL 387)







Weather to/from Cockpit justification

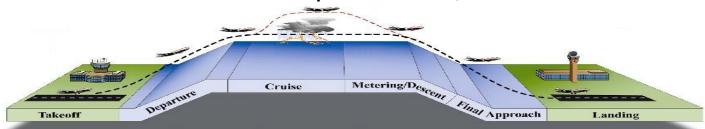
- Communications platform
- Pilot back injury reduction
- Convective reroute (block reduction)
- Contingency fuel reduction
- Transactional comm. reduction
- Paper reduction
- Weight reduction
- Future avionics replacement
- Turbulence injury reduction





Can weather help with fuel? (ASPIRE Flight

Components)



Gate to Gate demonstrations, involving:

- No-Delay taxi to the runway
- Unimpeded climb-out on departure
- User Preferred Route for the oceanic phase of flight
- Reduced Vertical Separation Minima (RVSM)
- Cruise Climb
- Variable optimized speed
- RNP-4 oceanic separation minima (30/30)
- Frequent Dynamic Airborne Reroutes (DARP)
- Tailored Arrival to the approach
- No-Delay taxi to the gate





Thank you

Captain Joe Burns Joe.burns@united.com



