
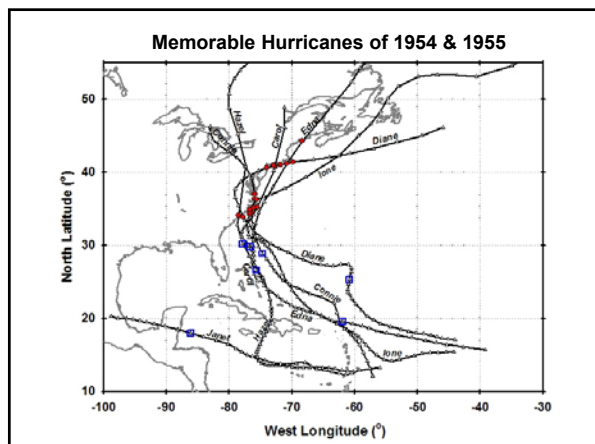




1944 Was a Bad Year For Tropical Cyclones

- Great Hurricane (Mid SEP)
 - Affected US Coast from Carolinas to New England
 - Sank five Navy & Coast Guard ships
 - Drowned 402, primarily mariners
- First organized aerial reconnaissance
- Halsey's Typhoons
 - Dec 18 1944
 - Sank 3 Destroyers
 - Killed 790 Sailors
 - Many other ships damaged
 - 186 Aircraft Destroyed
 - Happened again in June 1945

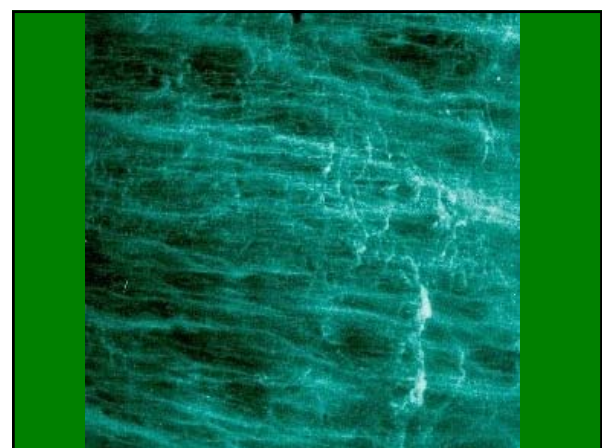
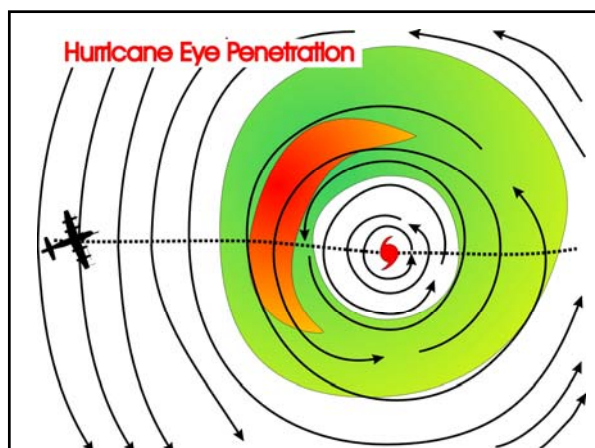



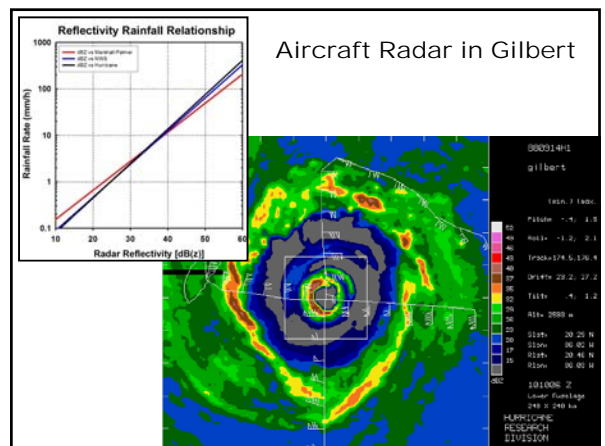
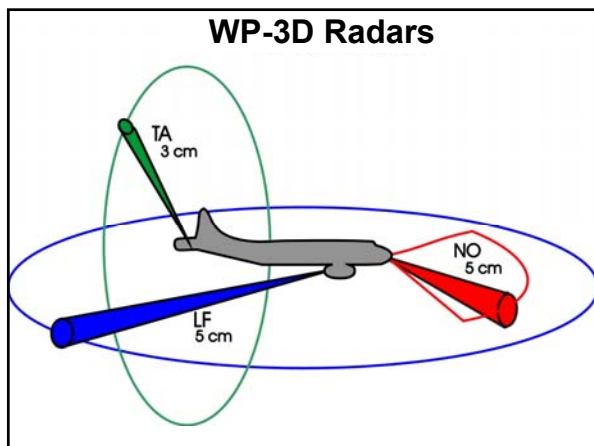
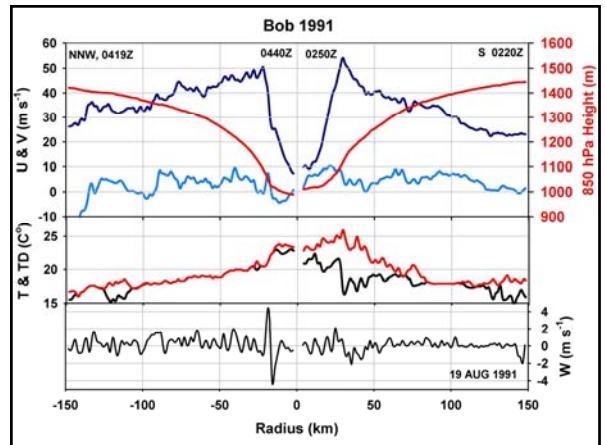
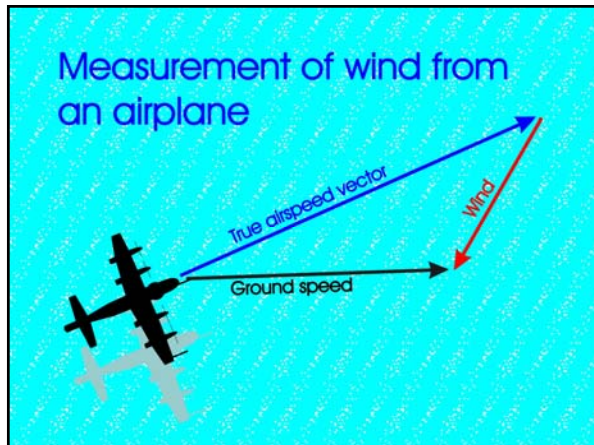
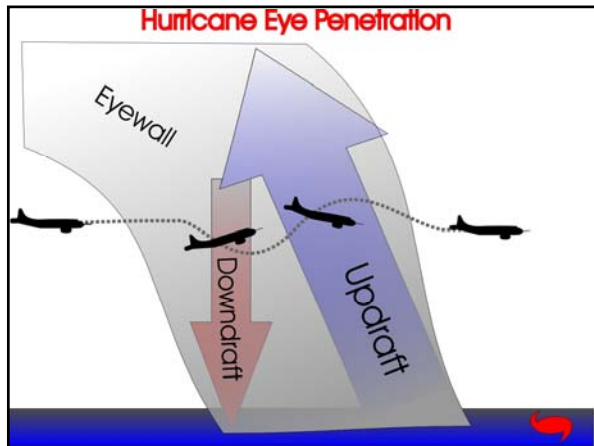


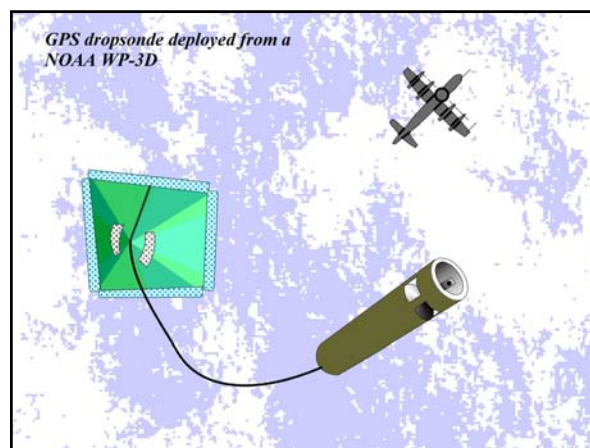
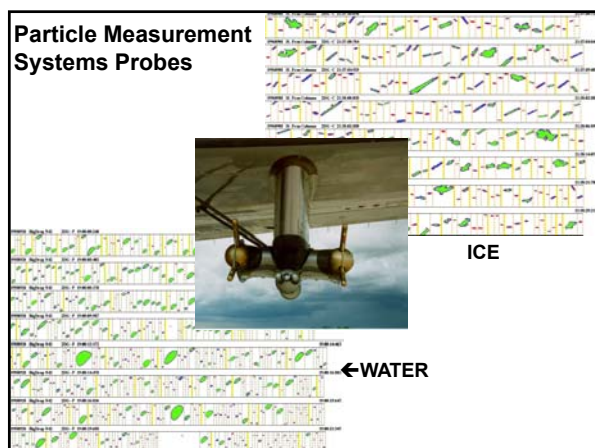
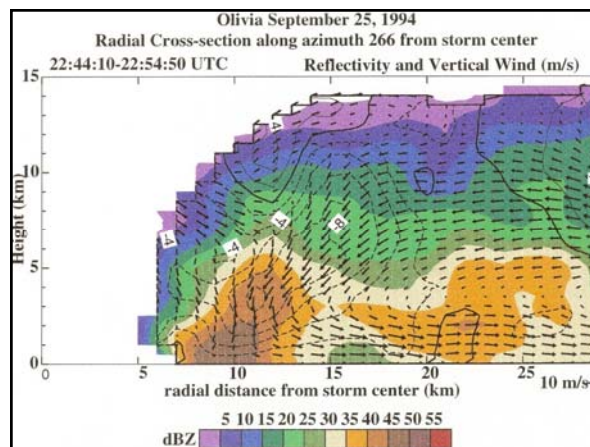
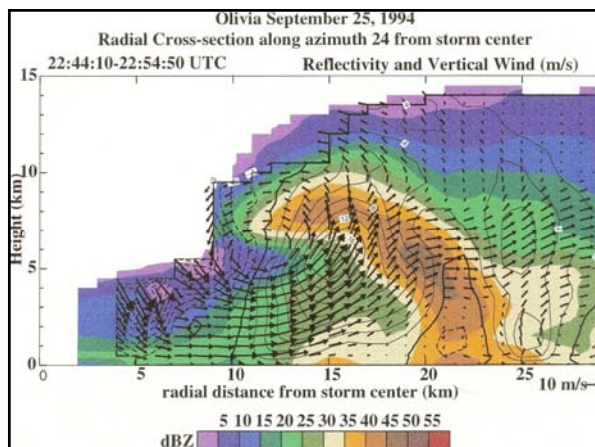
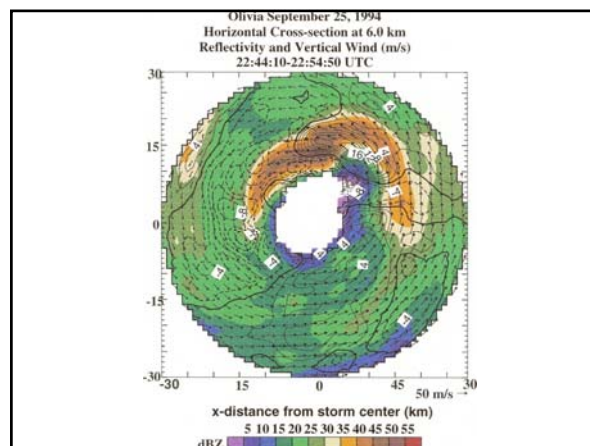
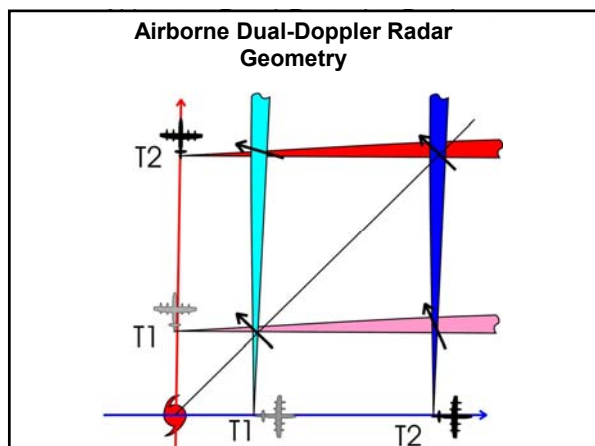
ON FLYING IN TURBULENCE:

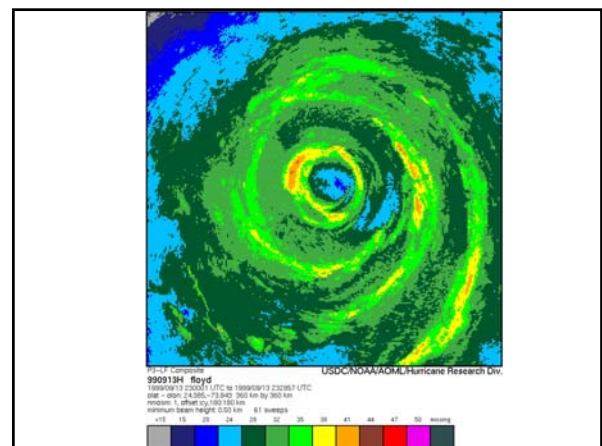
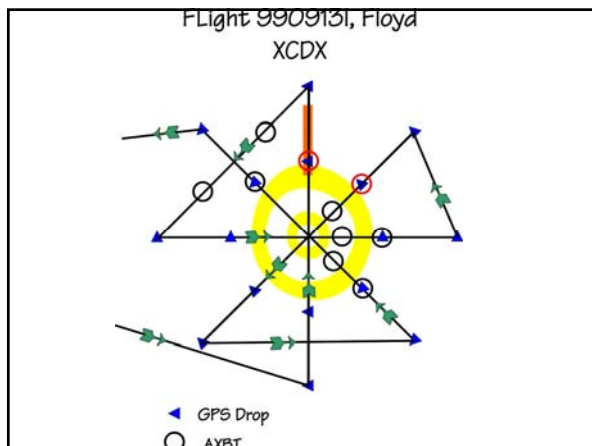
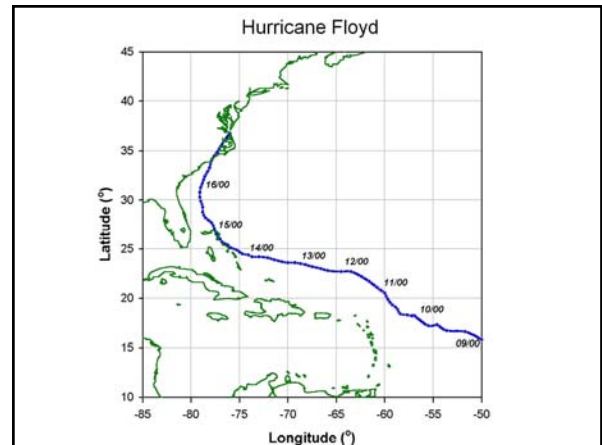
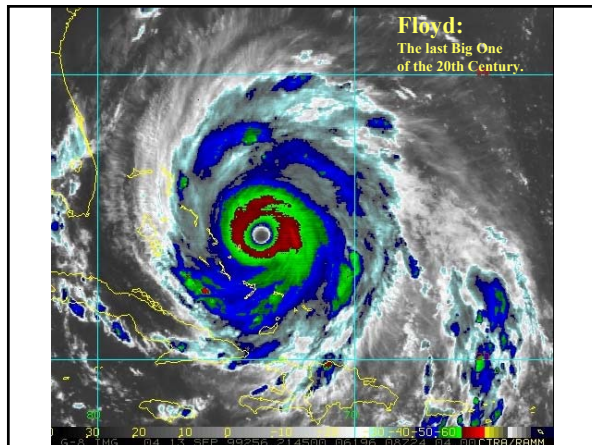
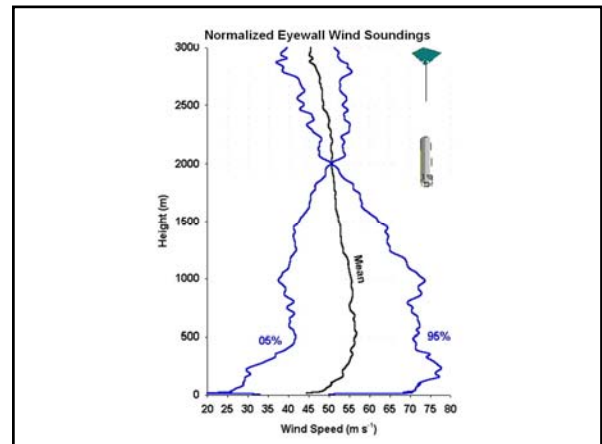
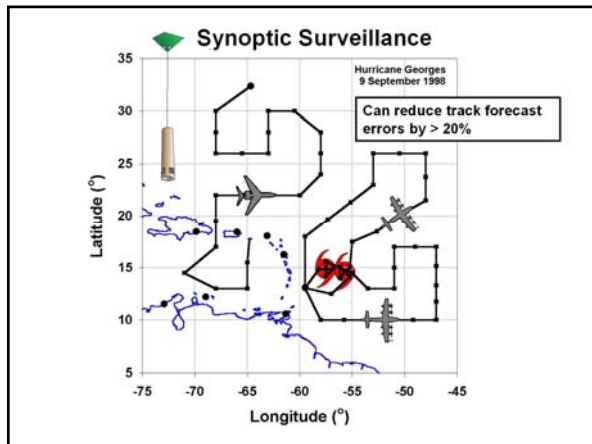
If you maintain attitude and airspeed,
altitude will take care of itself
---provided you have some.

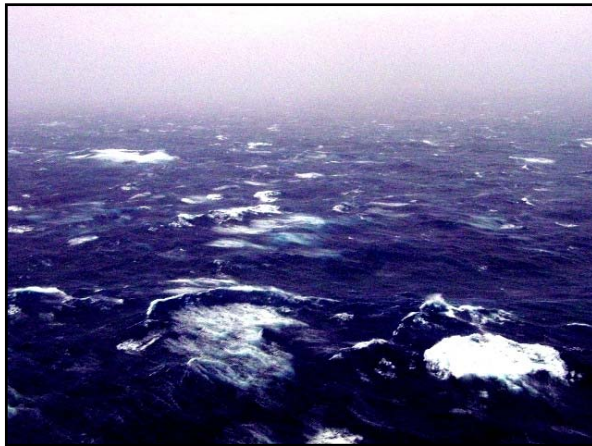
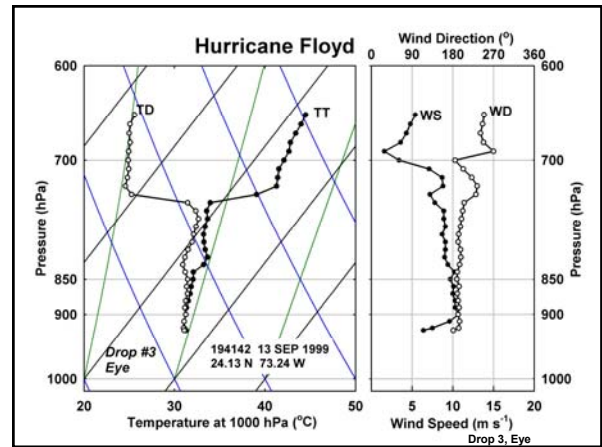
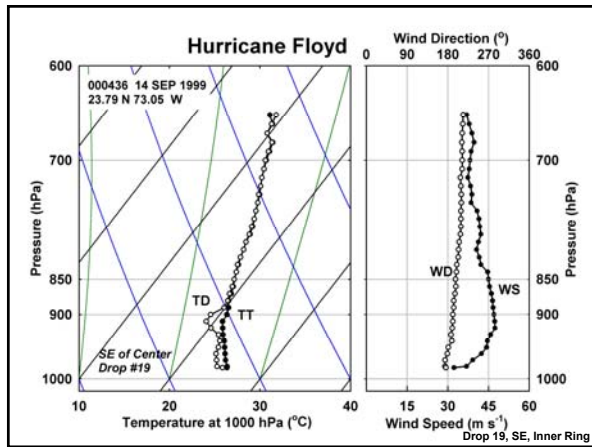
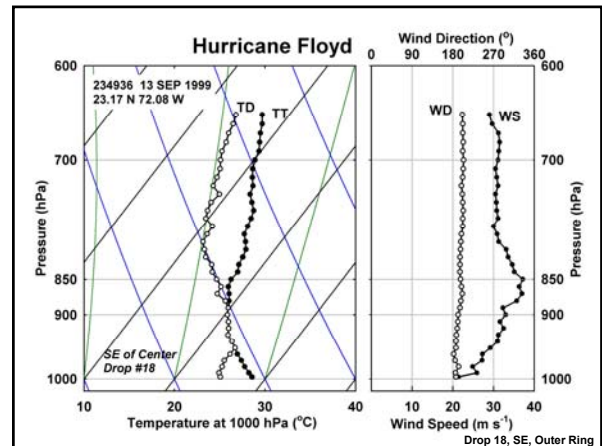
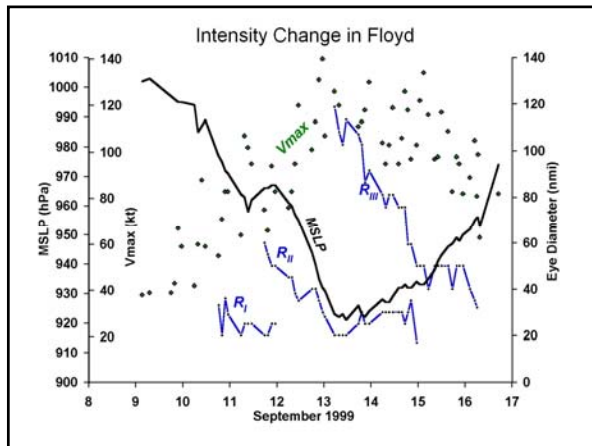
Flight Instructor

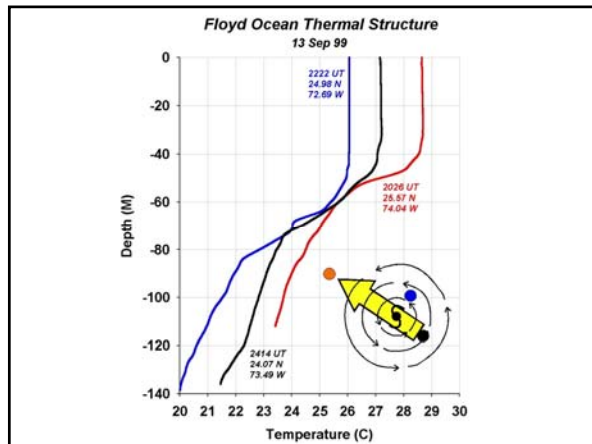












SUMMARY

- LCOL Duckworth "Surprise" Hurricane of 1944
- 1944 disasters motivated program
- US currently flies 2 WP-3Ds and a Gulfstream IV
- Maintain attitude and airspeed.
- Flight-level data
- Reflectivity radar.
- Doppler radar & wind.
- Microphysics.
- Atmospheric soundings & track
- Oceanic soundings & intensity

For NEXT TIME
Hurricane Remote
Sensing--Notes