

25th Operational Weather Squadron Davis-Monthan AFB, AZ



Mission / Radar Operations Briefing 12 / 13 Oct 05



25 OWS TAC OVERVIEW

- 25 OWS mission
- Area of responsibility
- Special support
- Radar configuration and outfitting
- Routine / non-routine radar uses



25 OWS MISSION

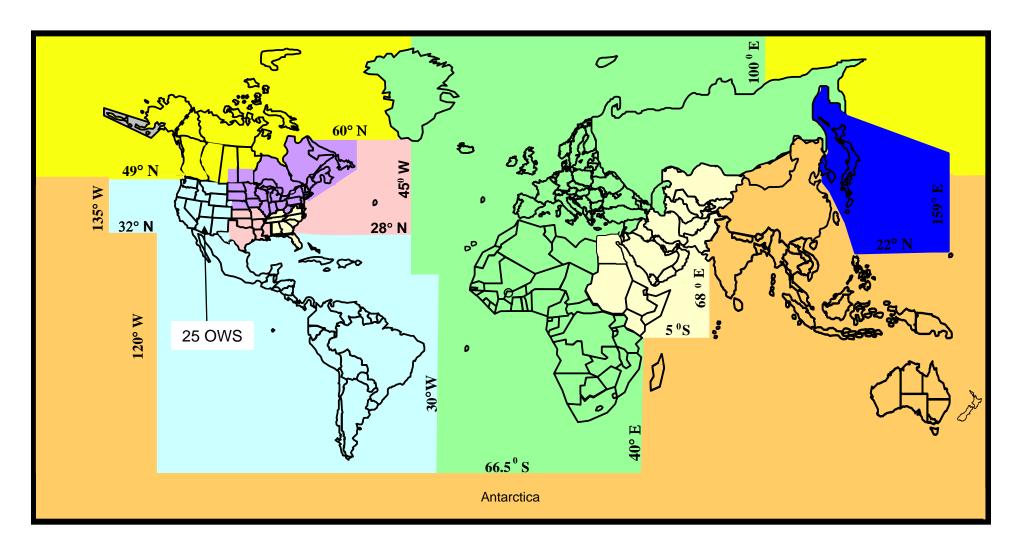
Integrate timely, accurate, and relevant environmental information into western CONUS and Commander, USSOUTHCOM, military operations to maximize mission completion



EXPLOIT WEATHER FOR VICTORY

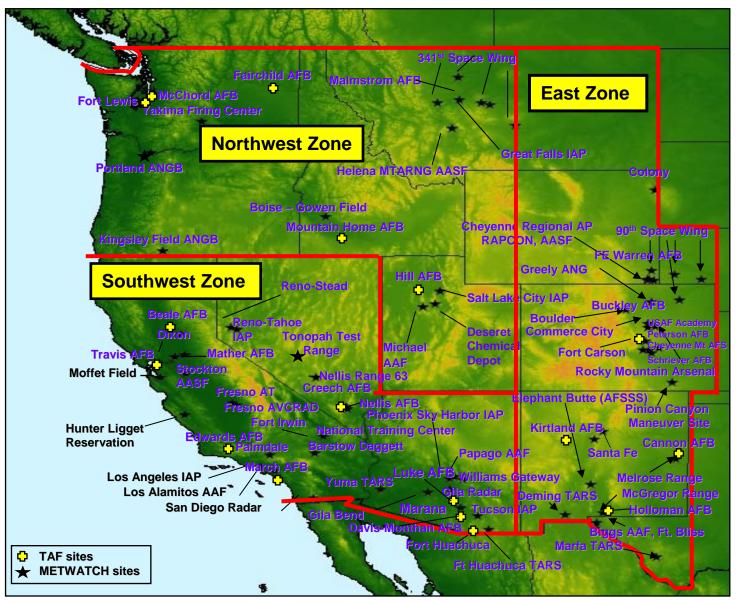


OWS AORs





25 OWS AOR



SOUTHCOM





90th Space Wing 4 Squadrons with 5 flights each=21 341st Space Wing One wing 4 Squadrons =5

UNCLASSIFIED

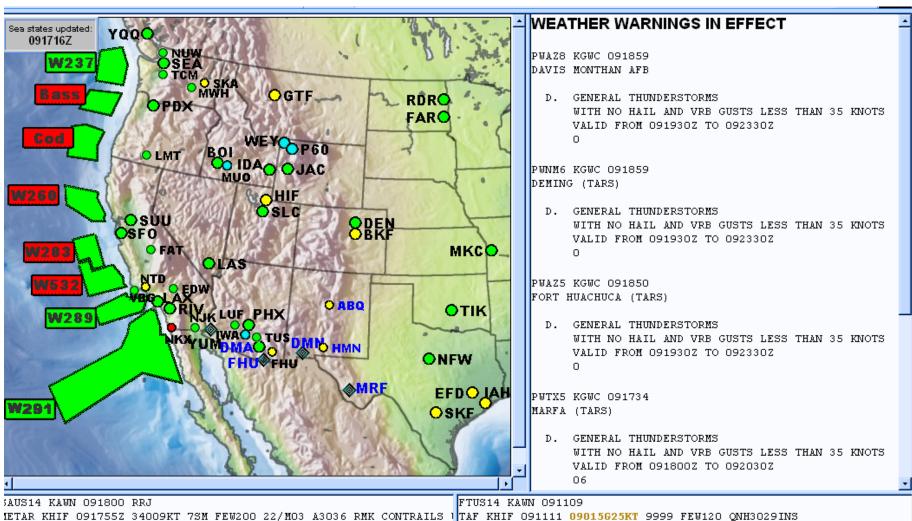


DATA ESTMD SLP210 8/001 9/001 50002

25 OWS WADS

BECMG 1718 23012KT 9999 SKC QNH3014INS WND 190V270 WND 09008

AFT06 T26/23Z T13/12Z





25 OWS Special Support

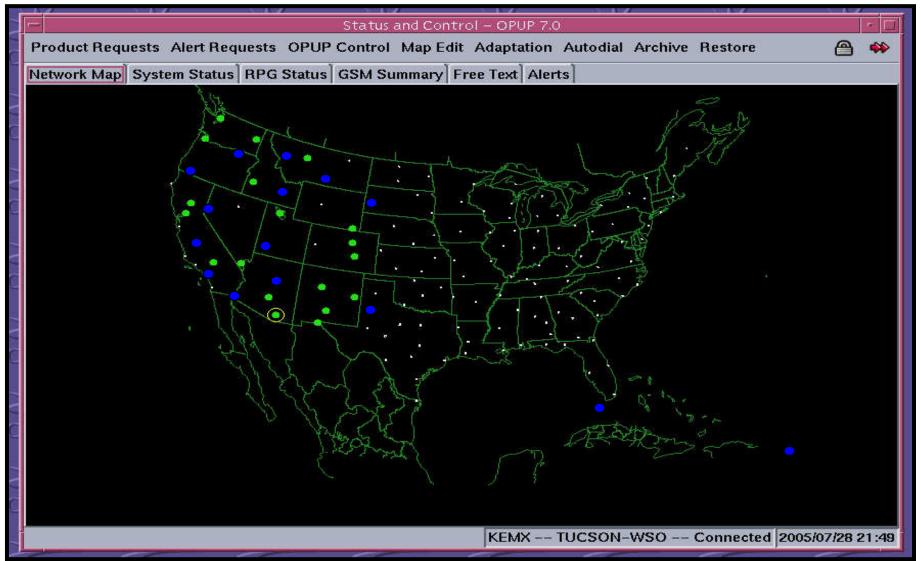
Predator-B UAV



TARS

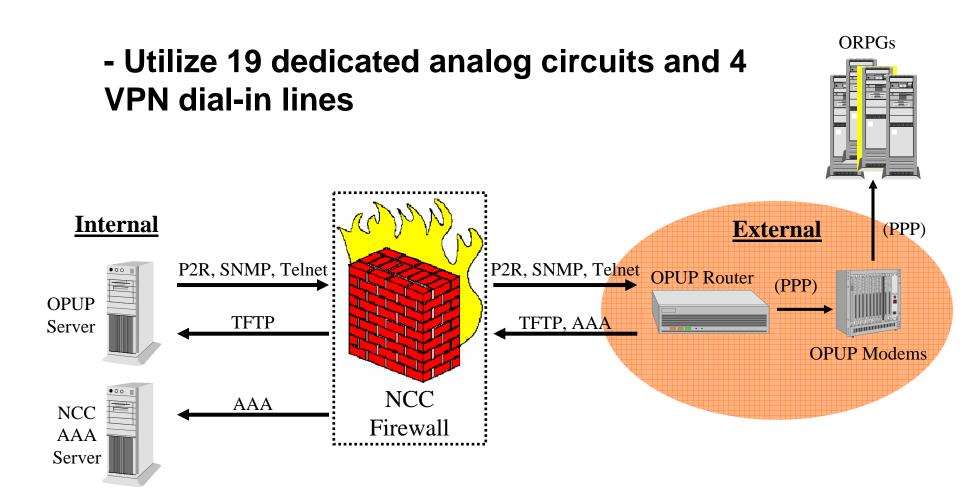






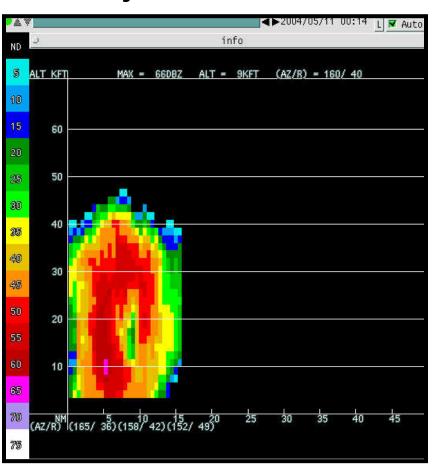


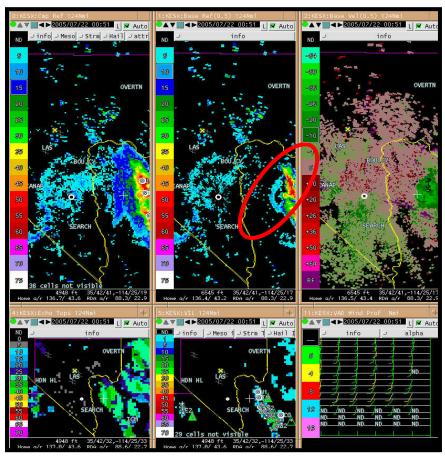
OPUP Configuration





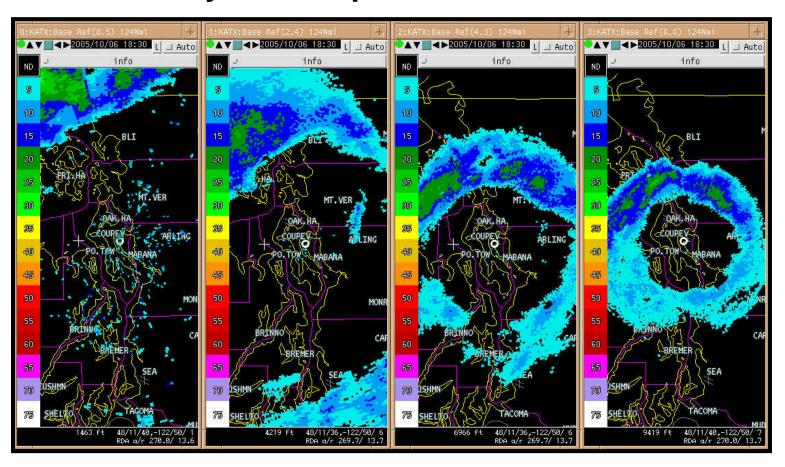
- Major radar detectable weather concerns





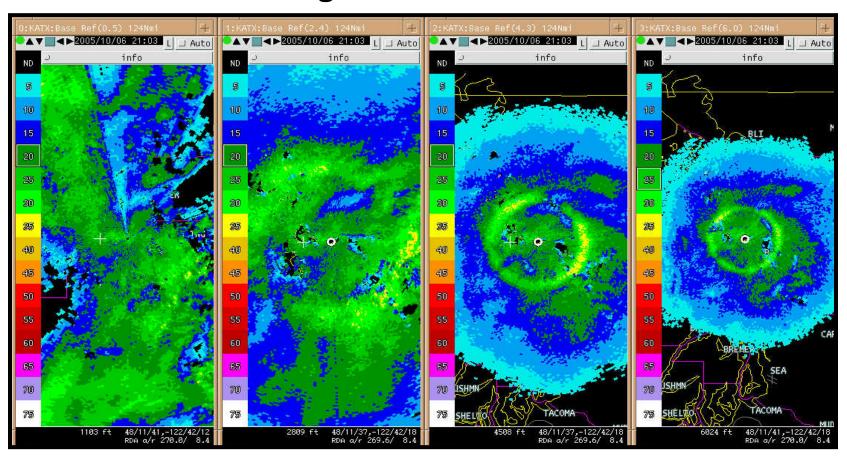


- Secondary—but important weather concerns



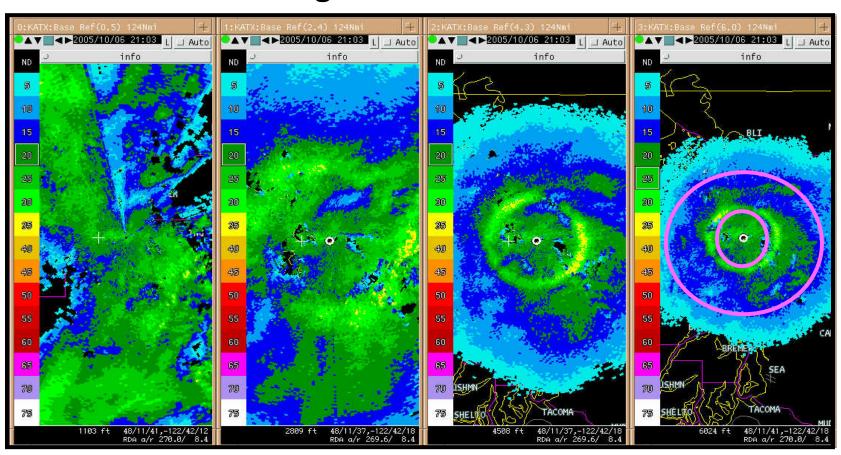


- Clouds and icing



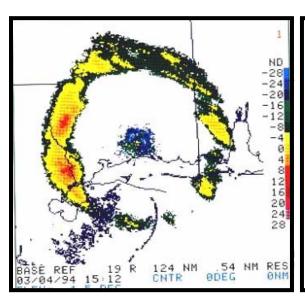


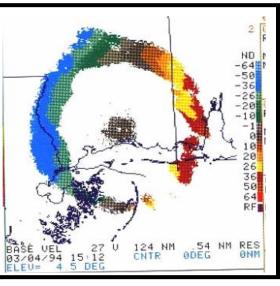
- Clouds and icing?

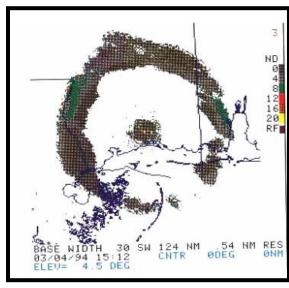




- What can we derive from all three base moments?

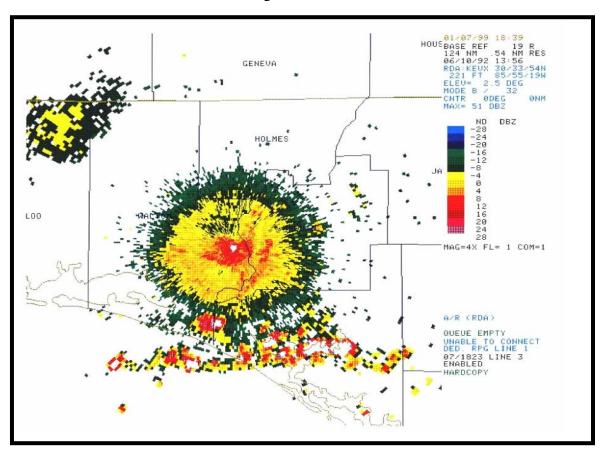






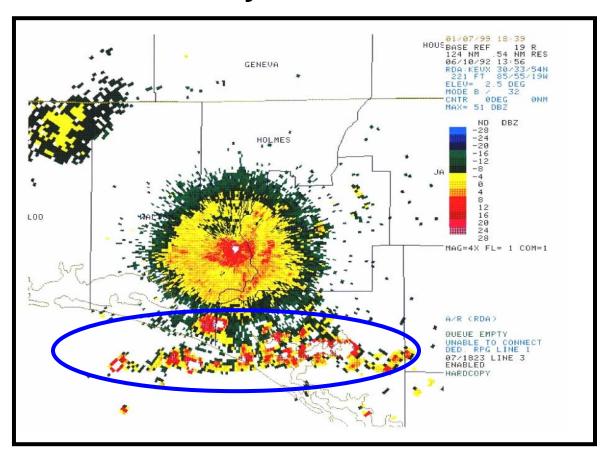


- What do we routinely overlook?



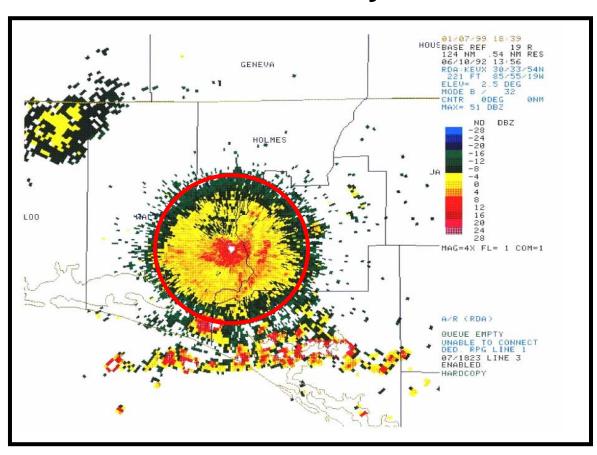


- The front is an easy mark



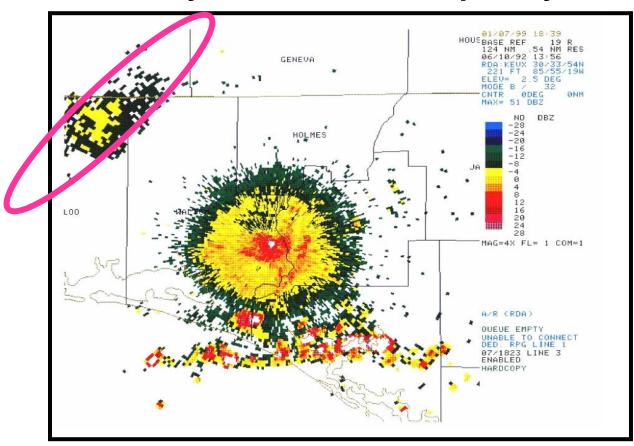


- The surface based moist layer—underutilized





- The cloud layer 110-140—completely missed





Questions?

