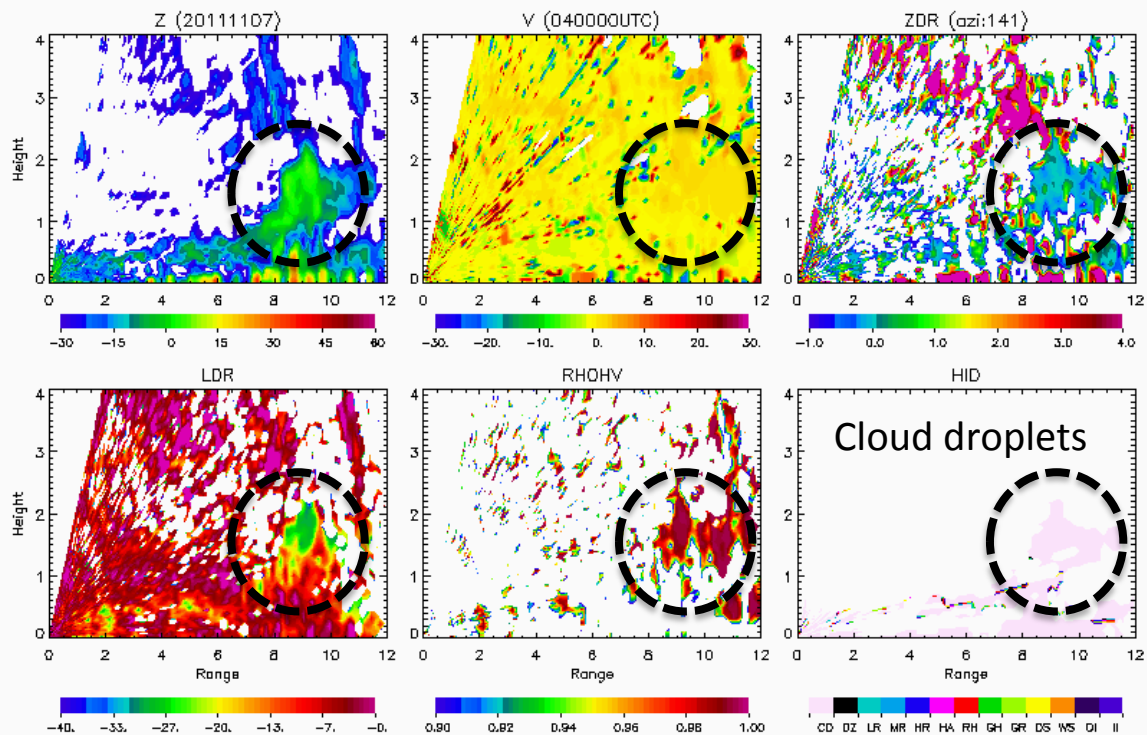


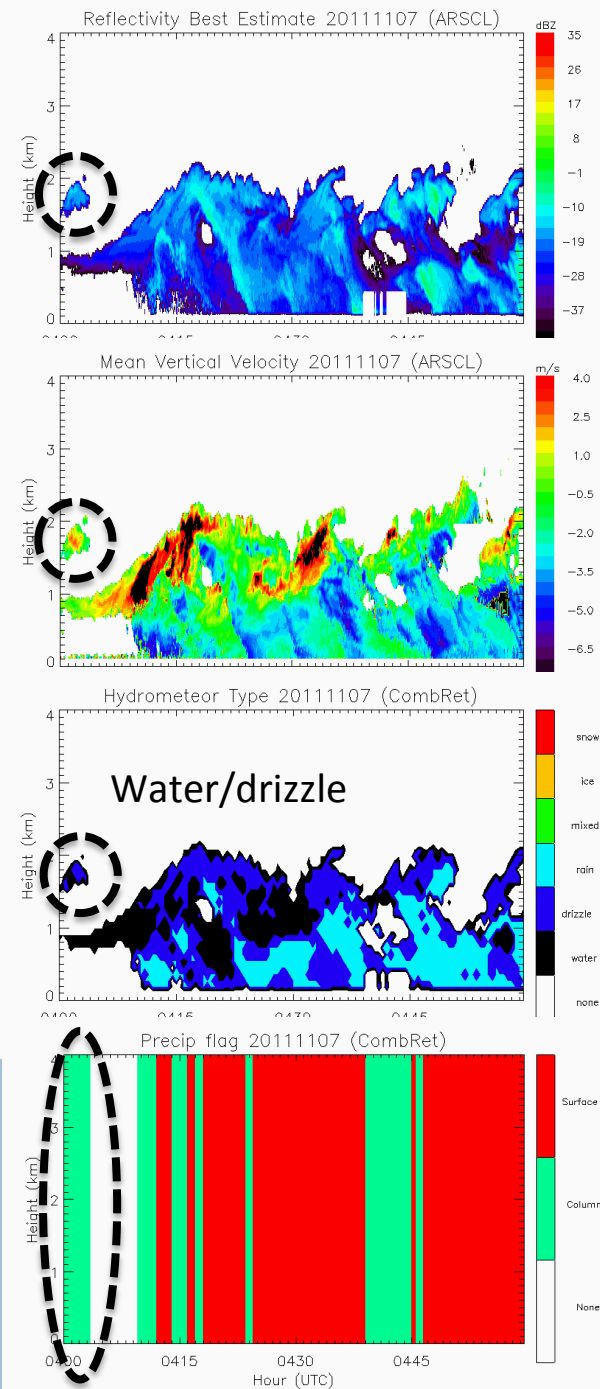
Polarimetric observations in the Tropics: Challenges and successes in identifying cold pools

Angela Rowe
Radar Polarimetry Breakout Session
ASR STM 2015
Vienna, VA

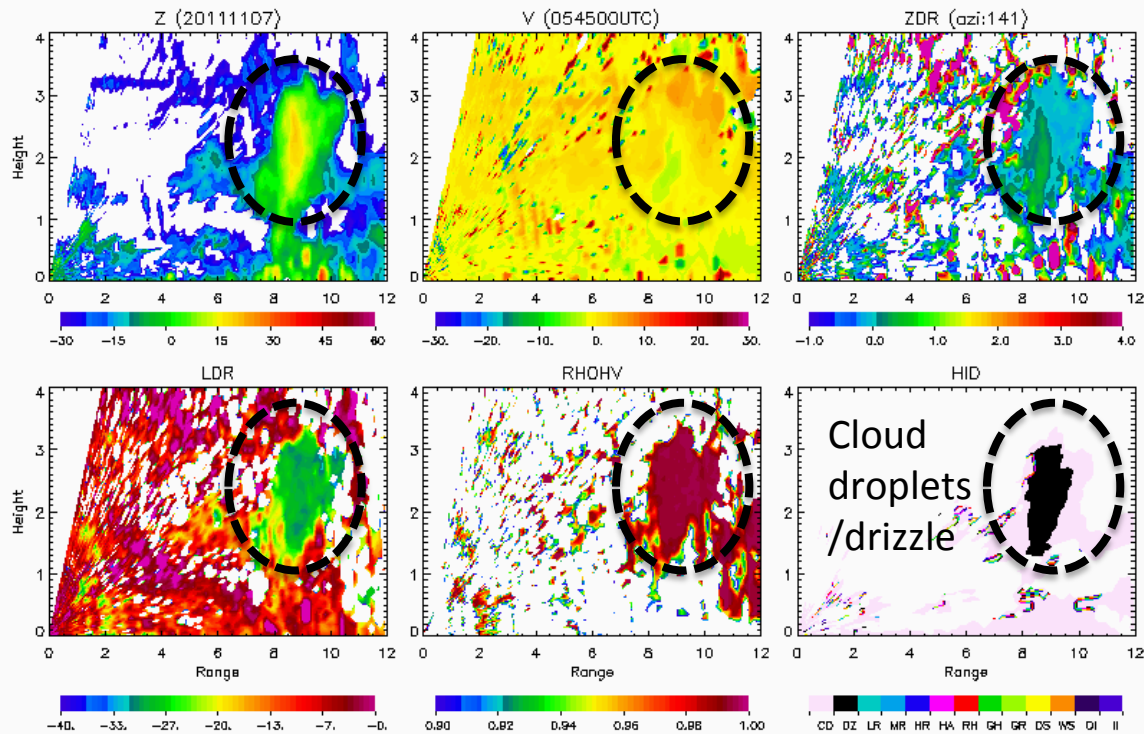
Nonprecipitating echo



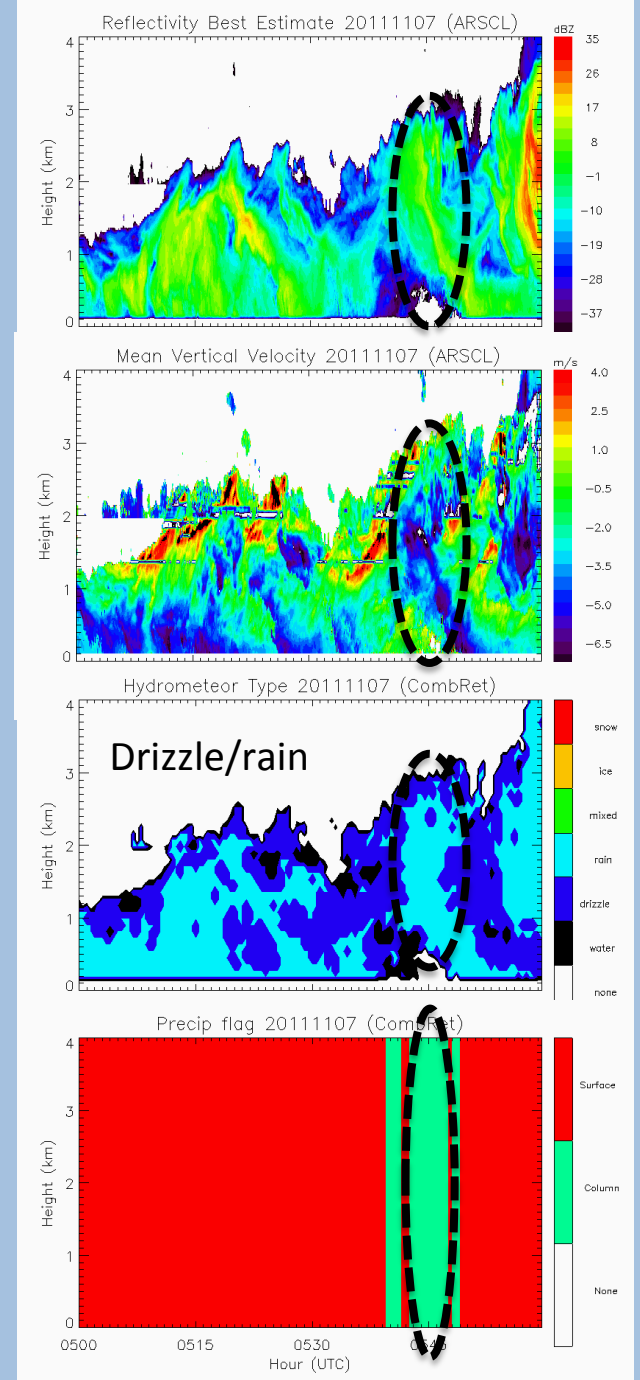
No surface precipitation



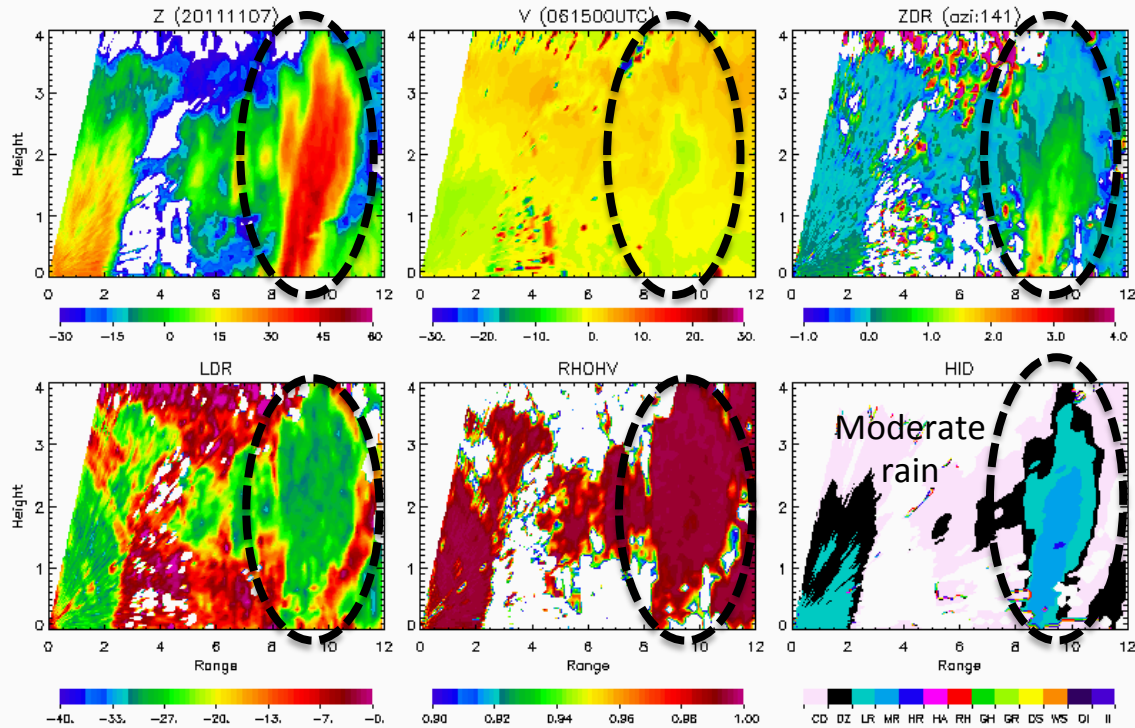
Nonprecipitating echo



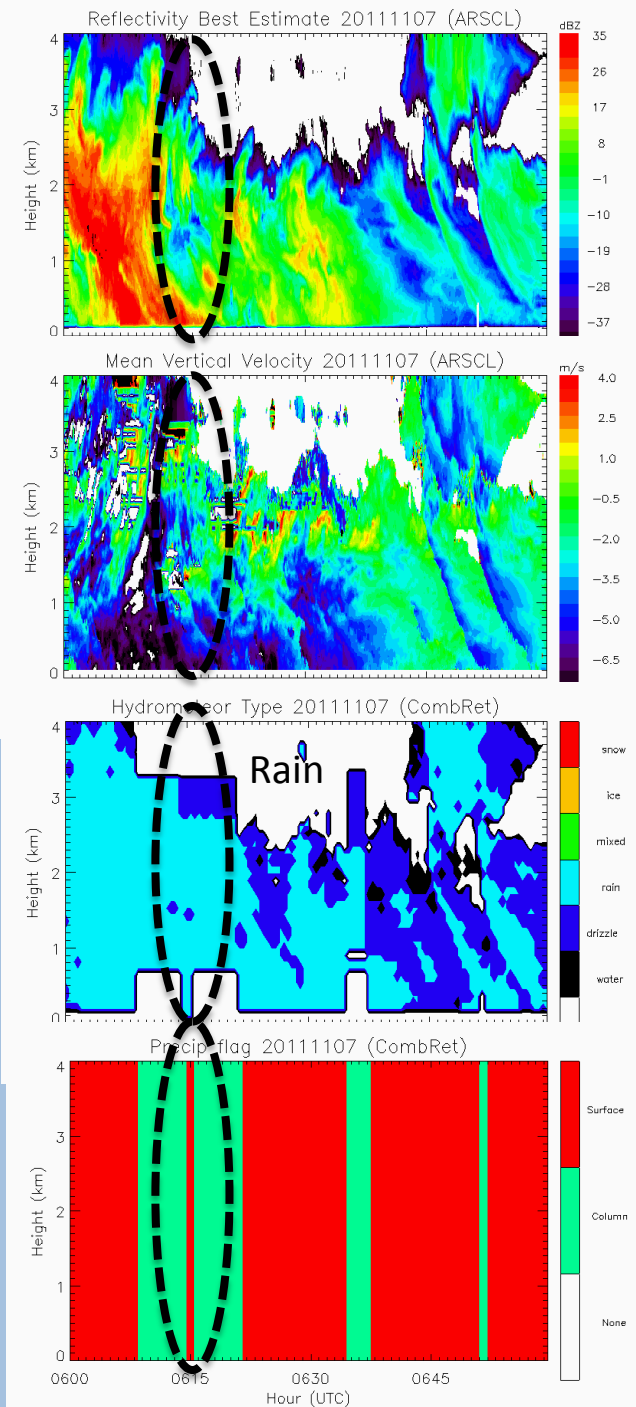
No surface precipitation



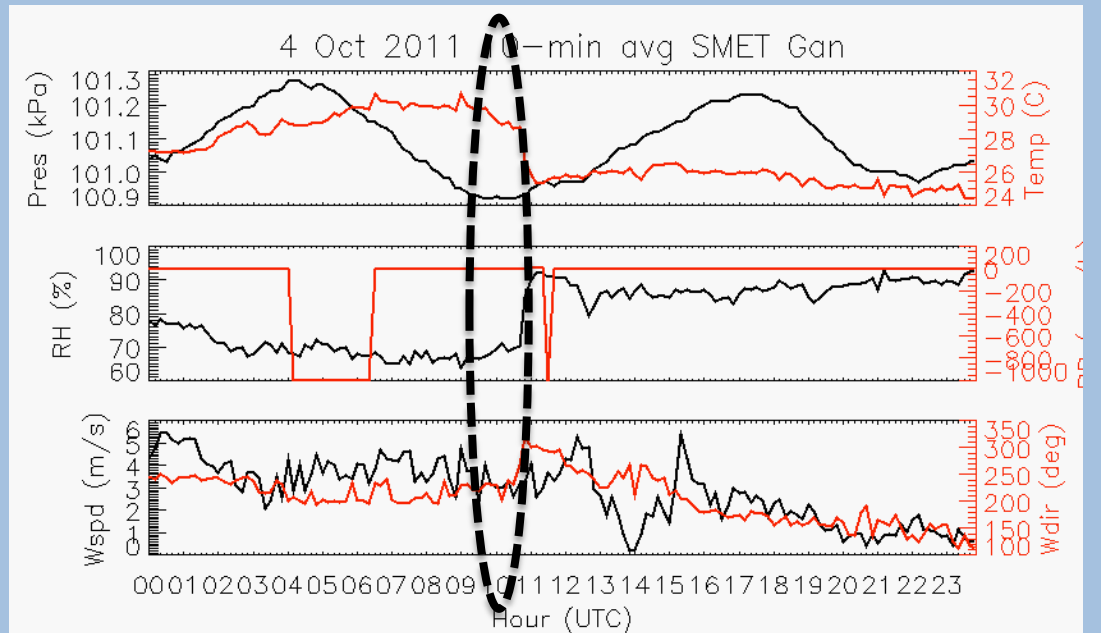
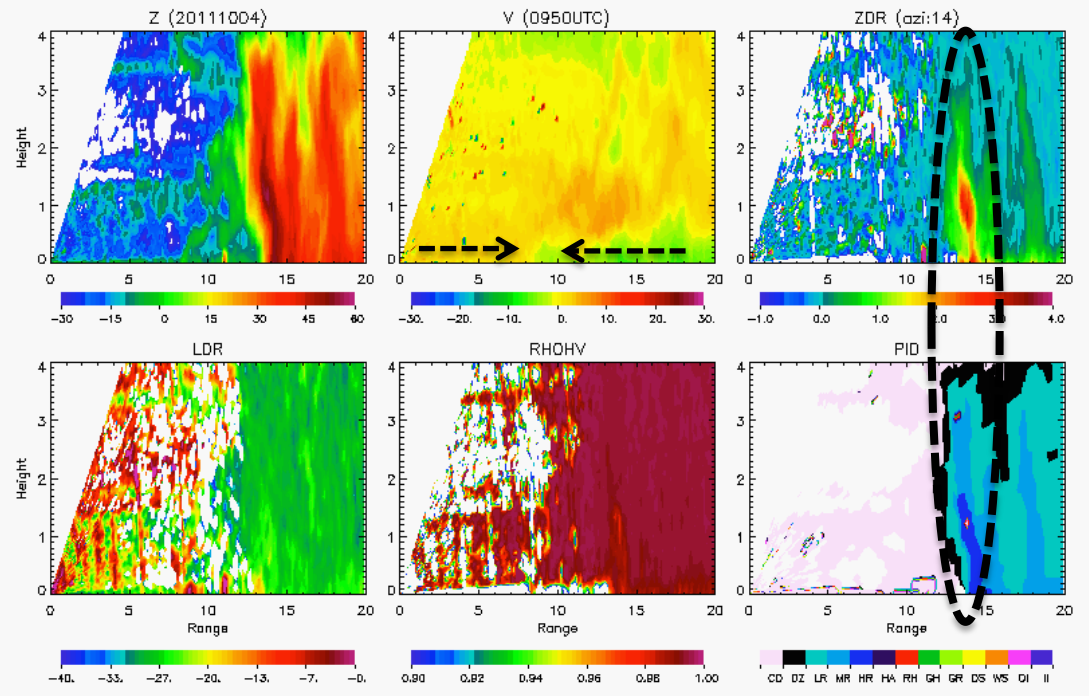
Transition to rain



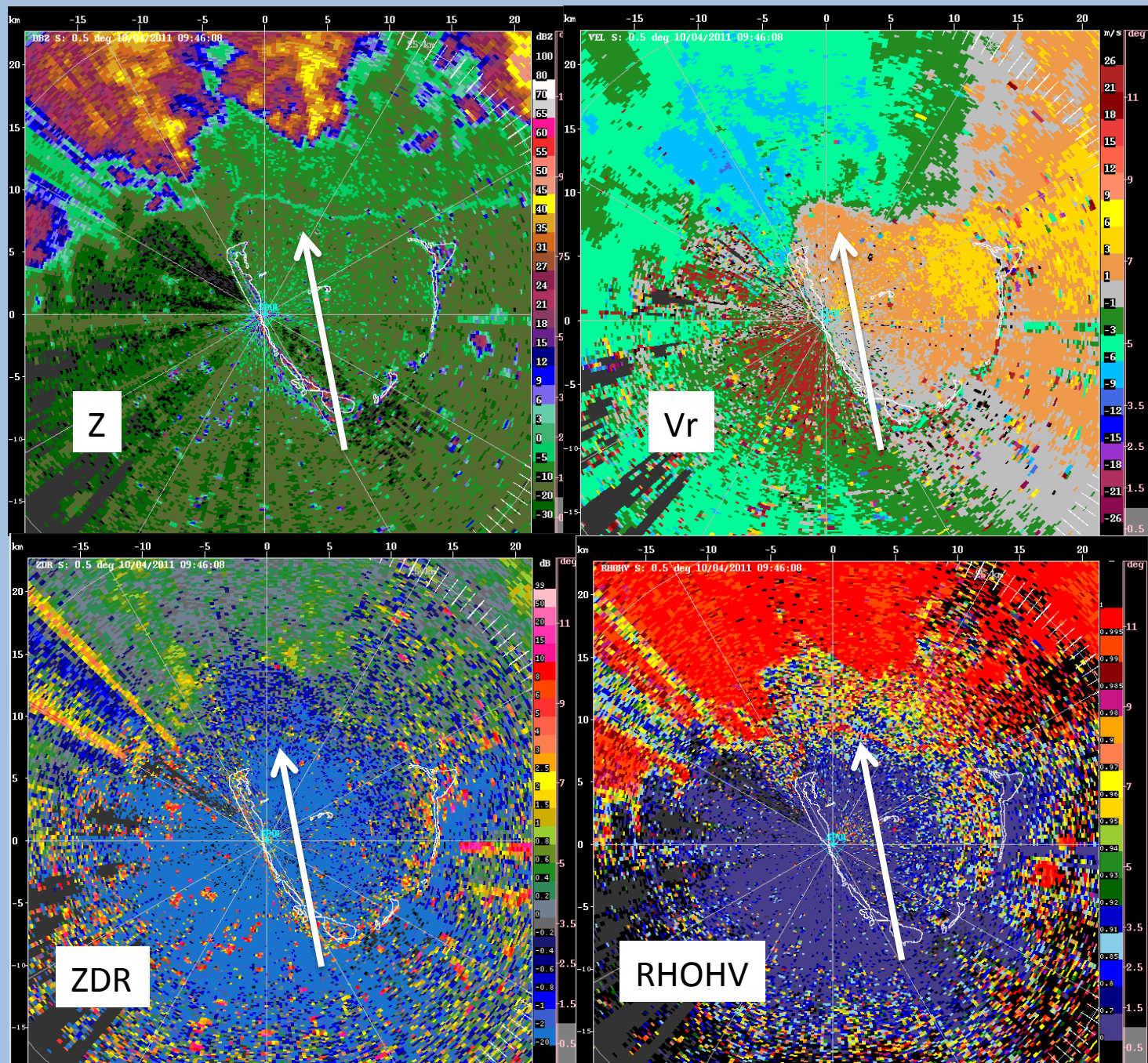
Surface precipitation



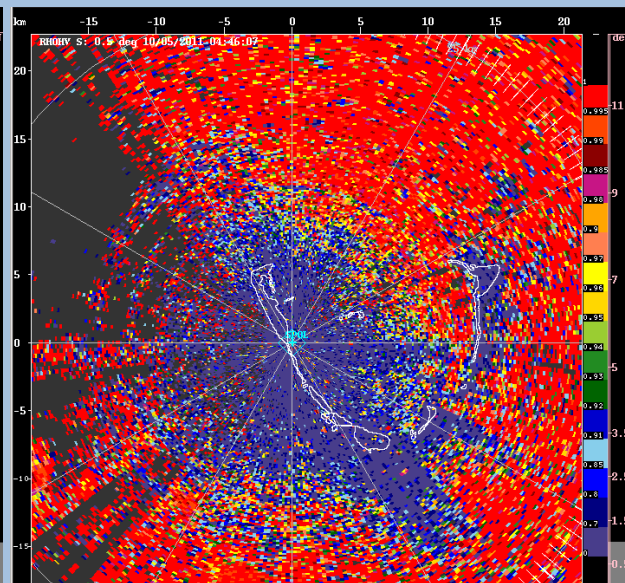
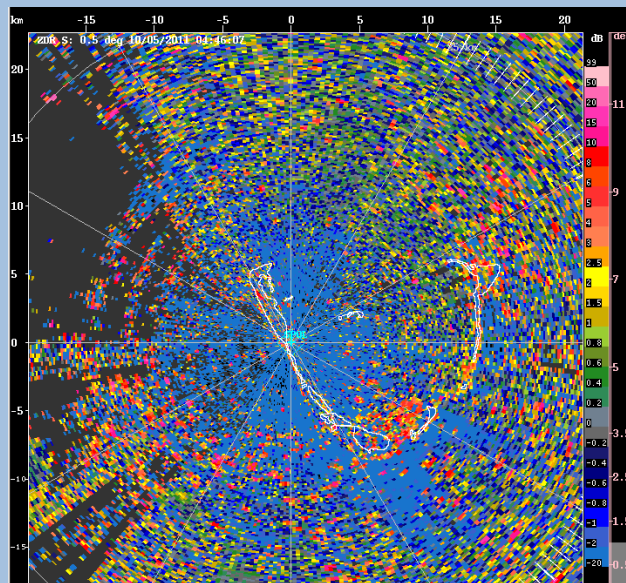
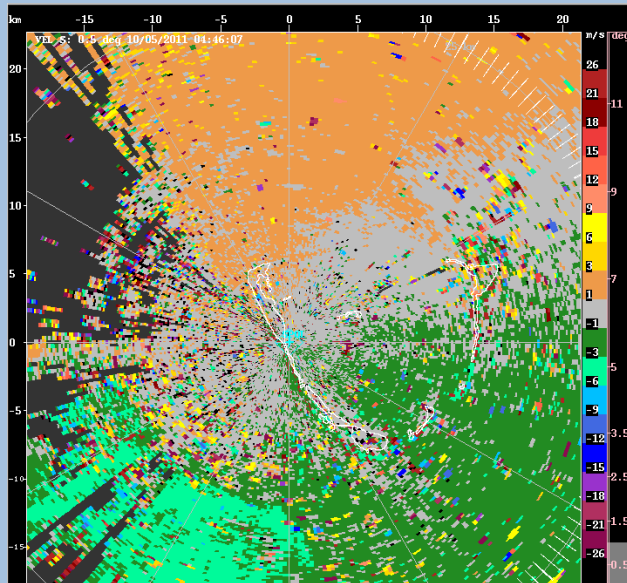
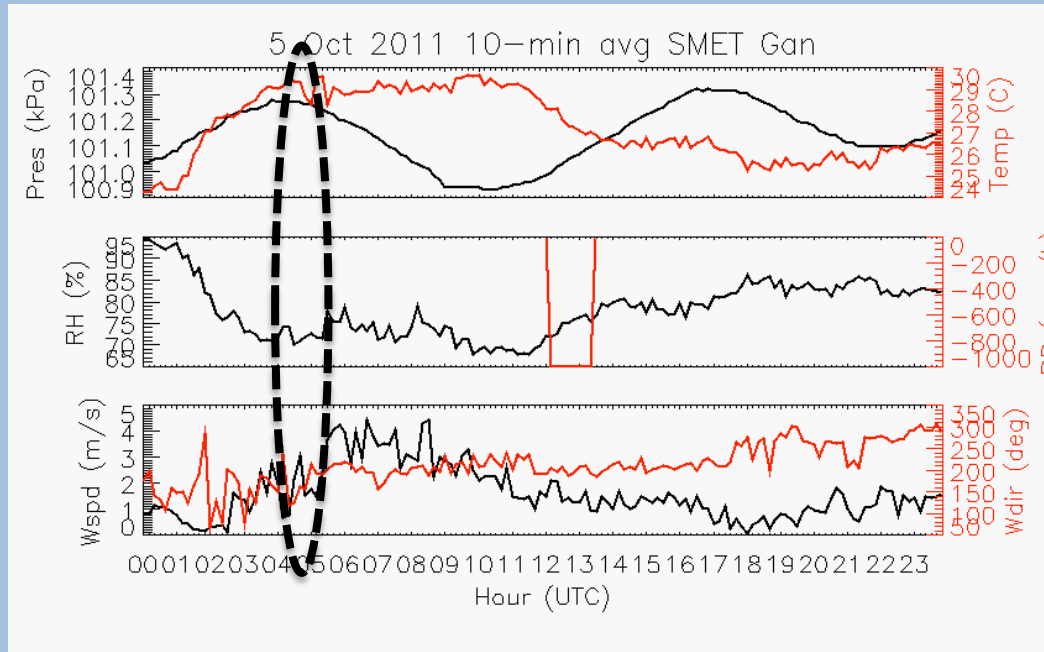
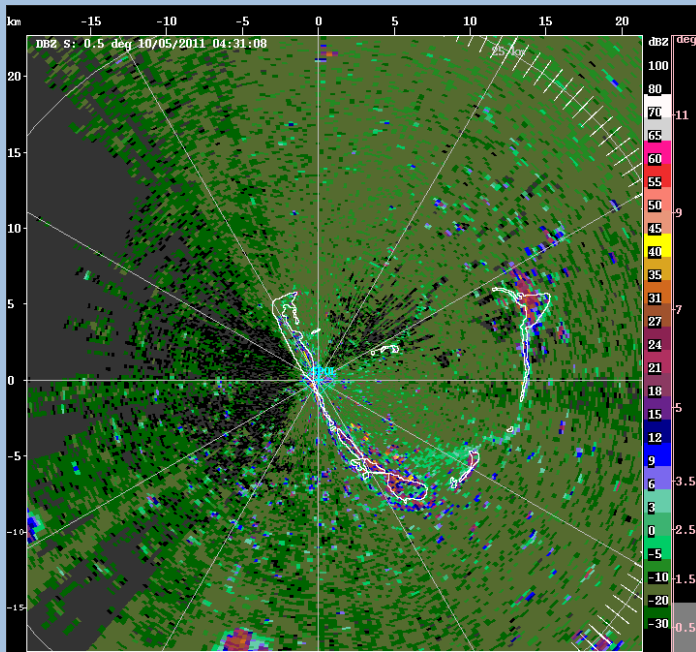
Relating outflow to parent convection

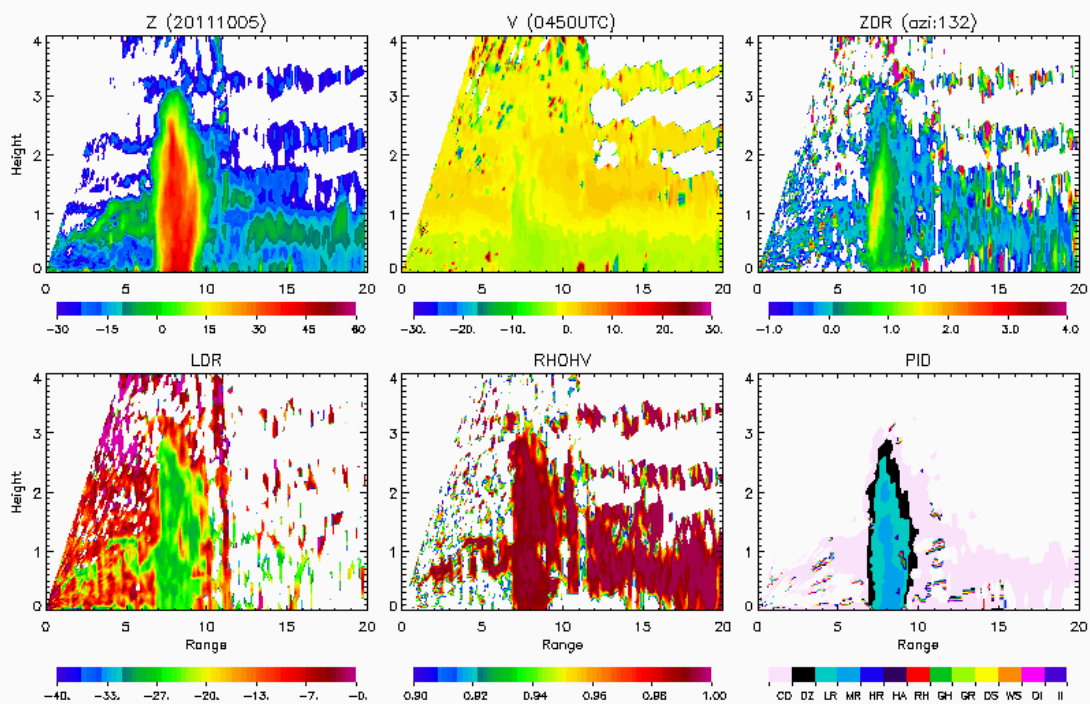
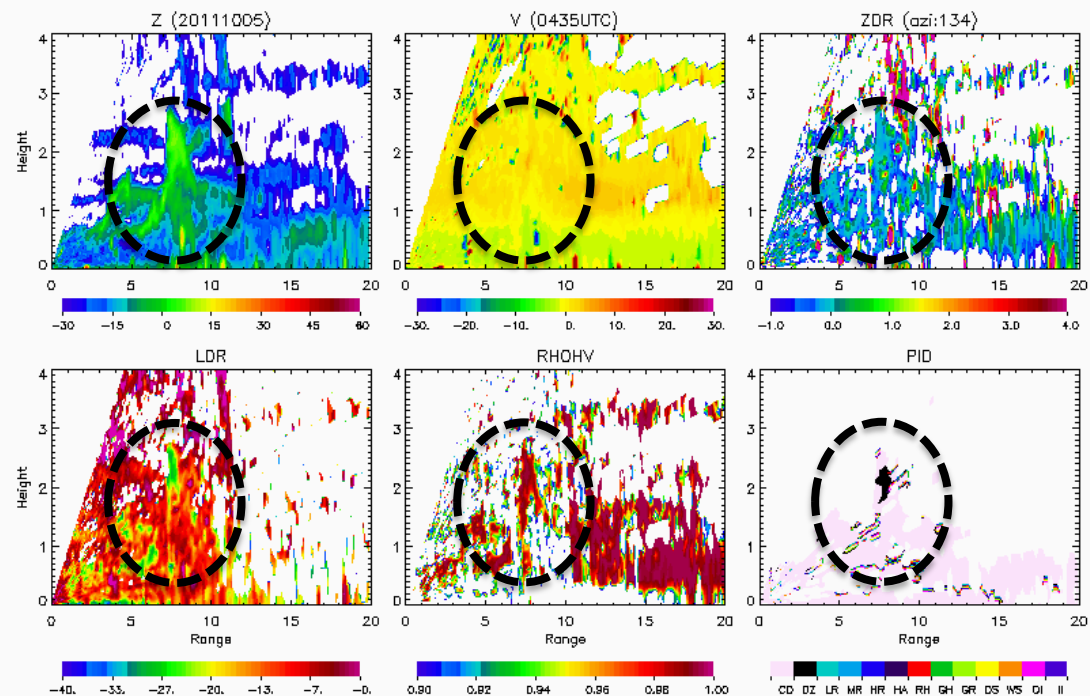


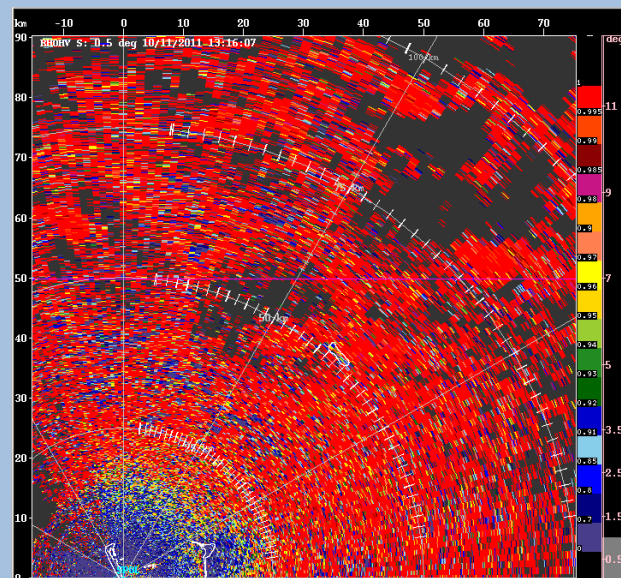
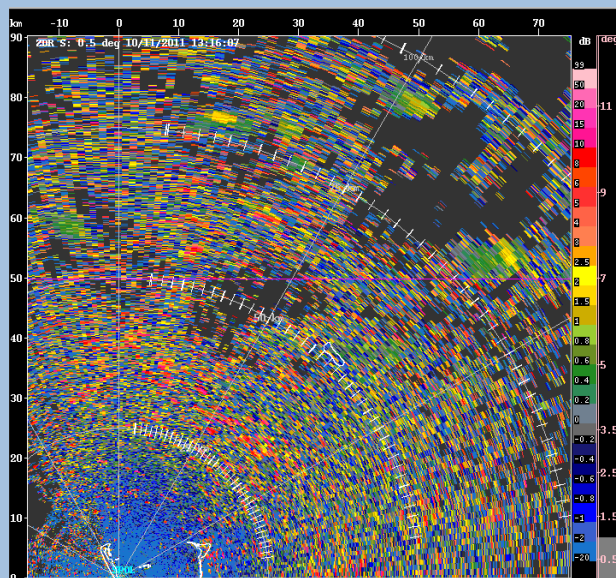
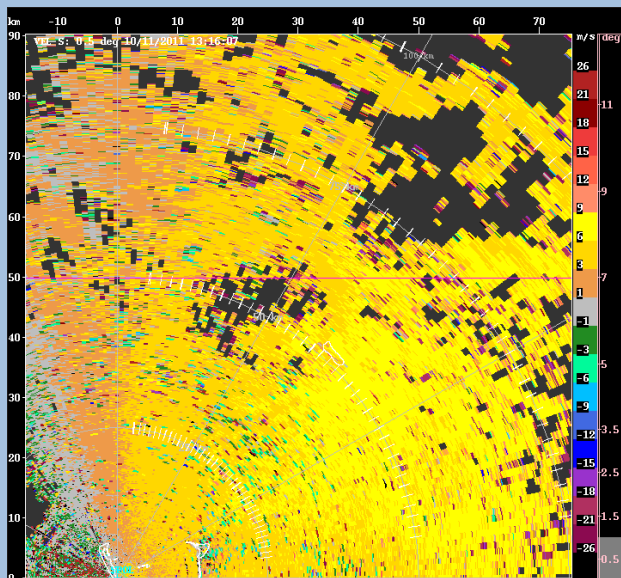
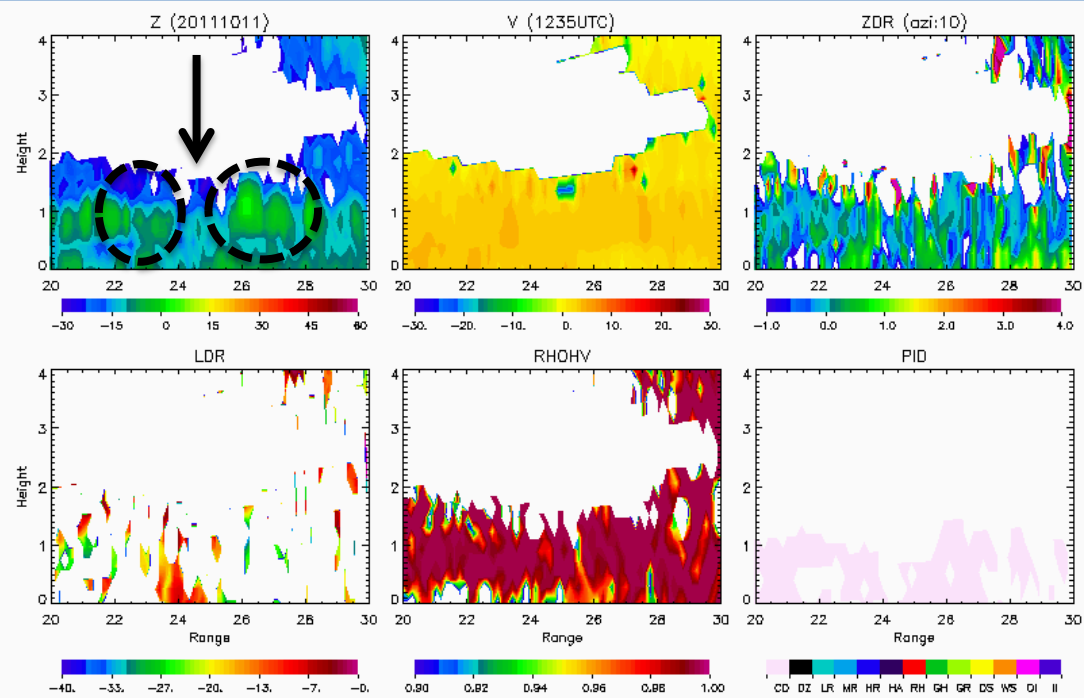
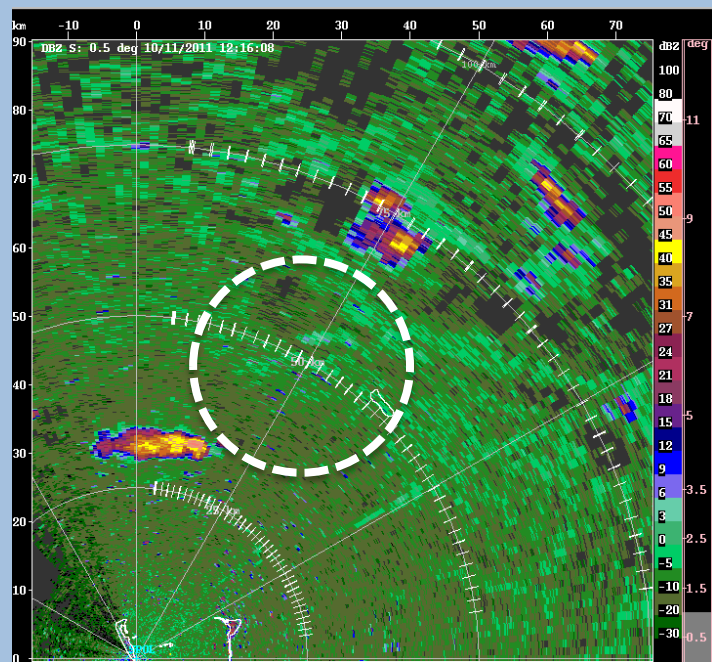
Cold pool passage: 0950 UTC



Where's the cold pool?

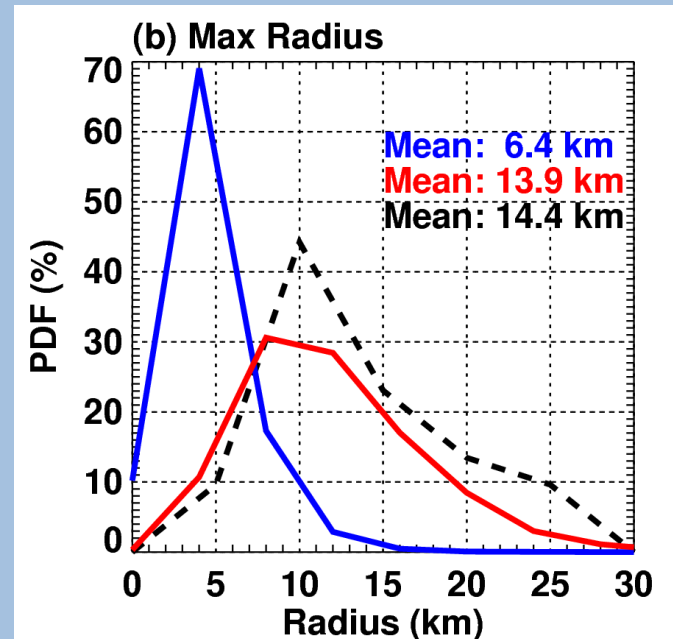
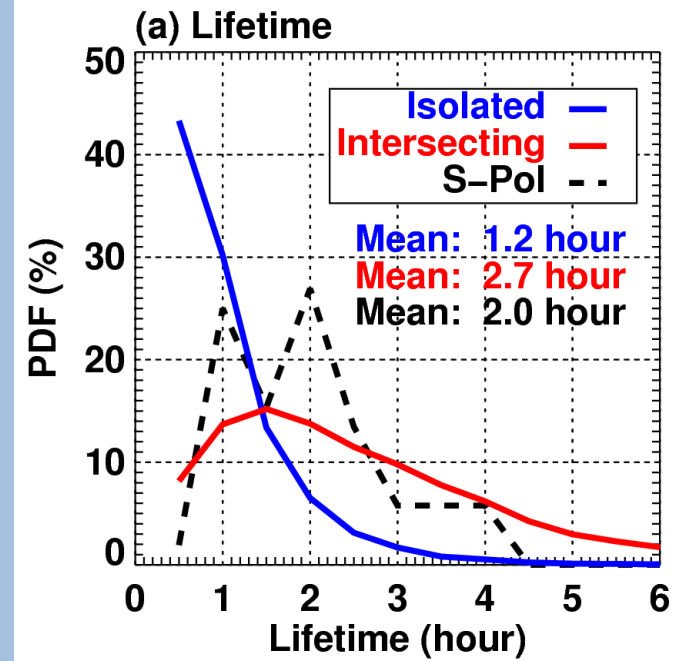
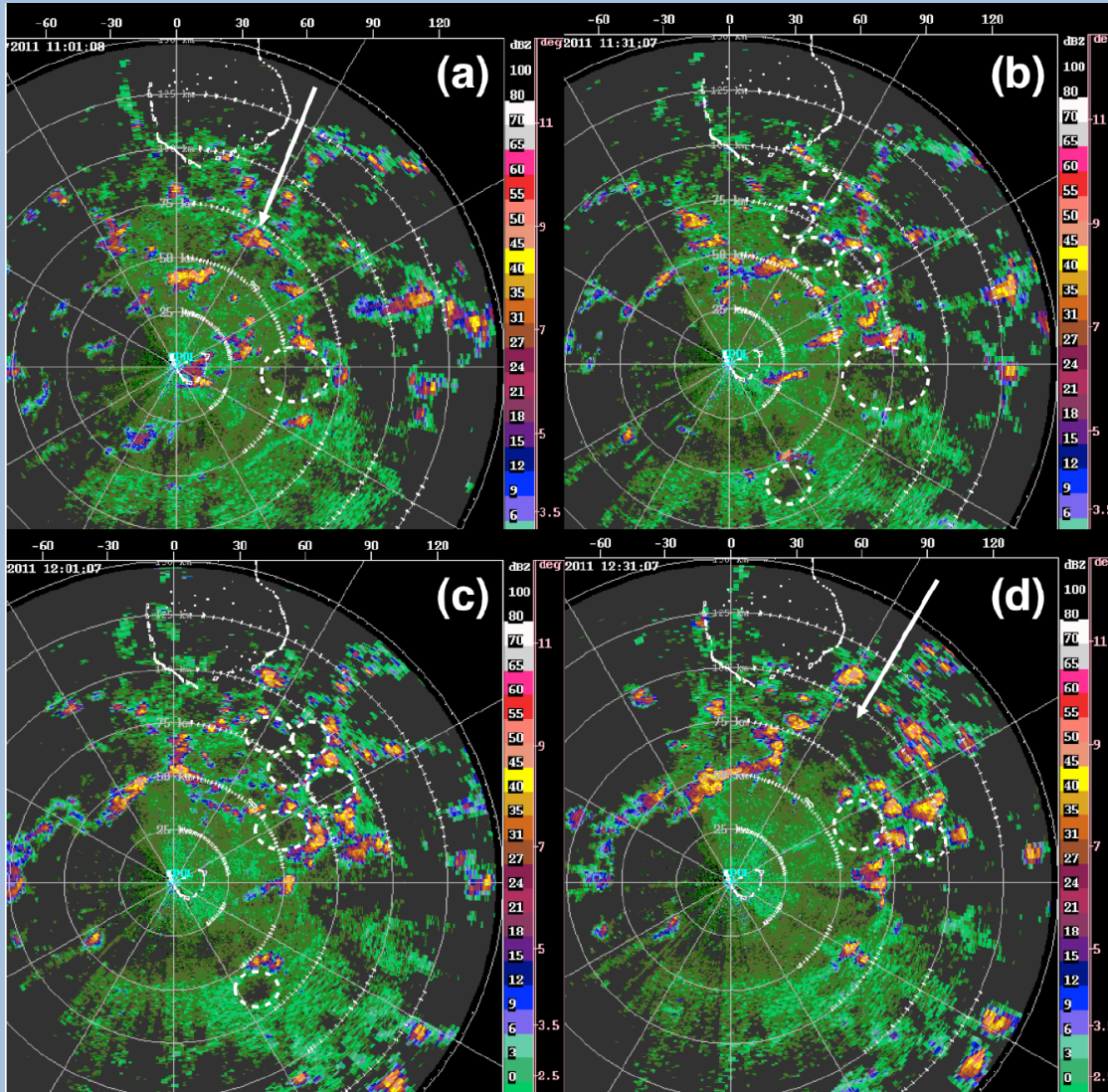




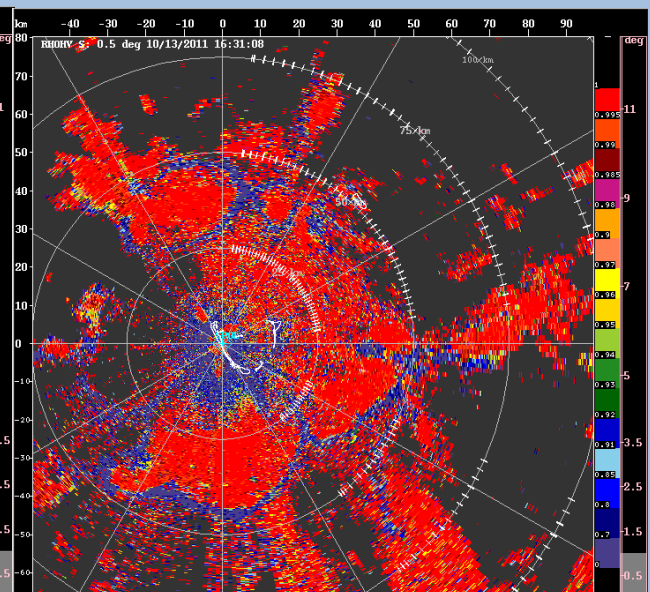
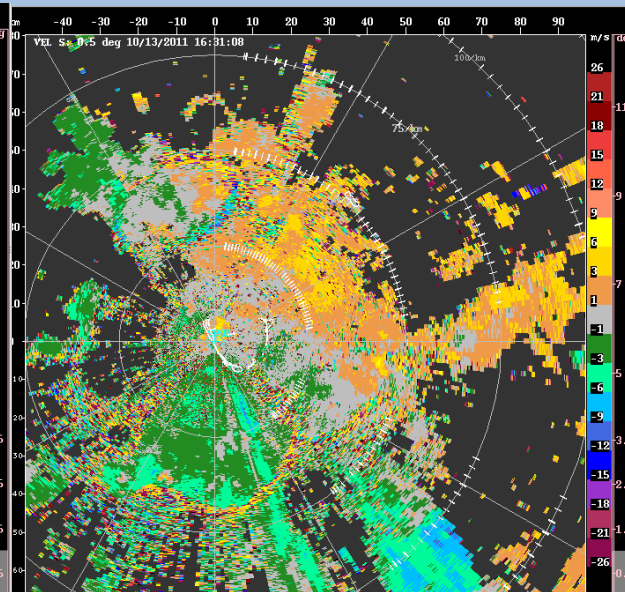
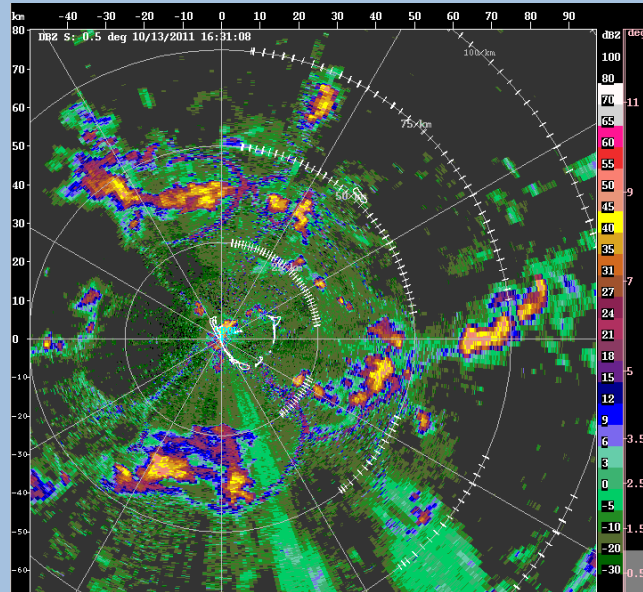
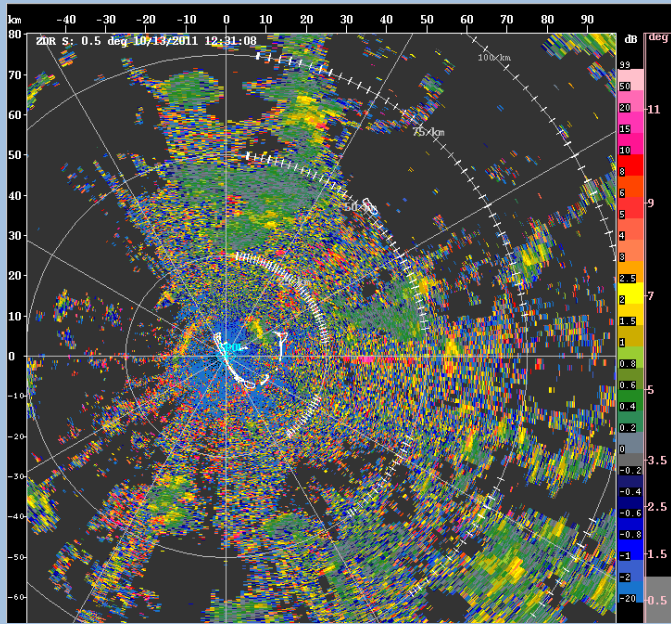


A cold pool success story

Feng et al., 2015 (JAMES)



A nocturnal hope



Thank you!

- Research supported by NSF grants AGS-1355567/
AGS-1059611 and DOE grant DE-SC0008452