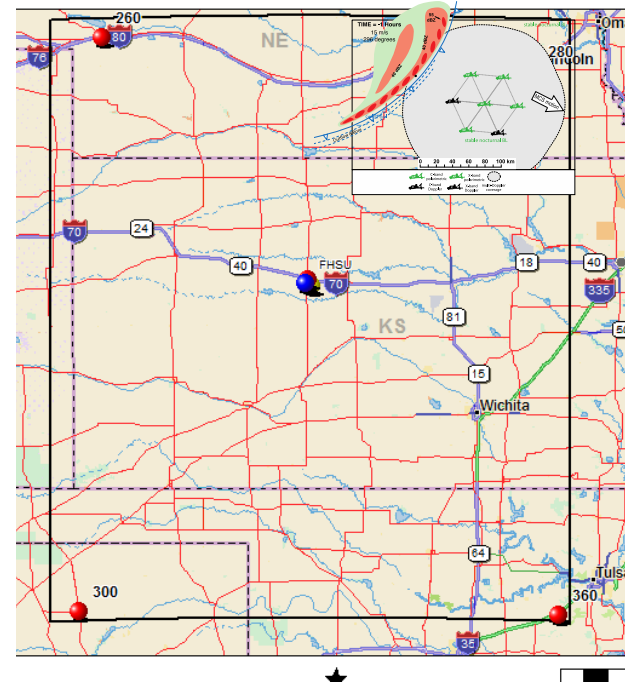


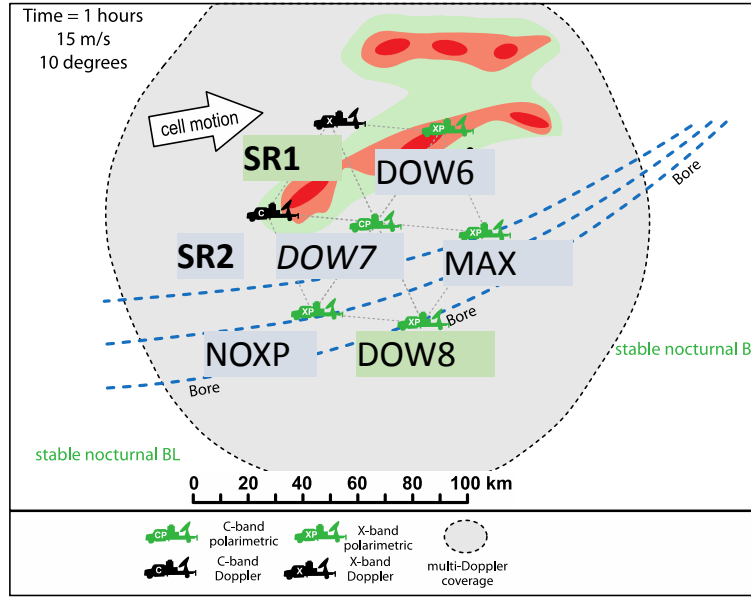
Discussion topics wrt to Radars

- Radar Coordination/Coordinator: Hays or in field?
 - Radar Coordinator serves all hexagon radars, not just one PI's radars or objectives.
 - Different role than Mission Scientist or PI
 - Radar coordinator in Hays assisted by an experienced radar scientist/PI, with a support vehicle, in the hexagon...traveling, if necessary to all hexagon radars, not anchored to one radar/group
 - This provides security to communications failures, eyes-
- Scan strategies: RHIs?
 - Pre MCS: DOW7 (in center) and DOW6 (at N or S middle) interleave some RHIs since they can scan faster and have time. Also, DOW8 (at S or N middle), which is not dual-polarization, so can scan fast with little cost, can interleave some RHI's. SRs as able, TBD.
 - CI and Bore: DOWs (and SRs secondary to volume objectives)
- Start time for data collection:
 - I recommend 8:30pm CDT, warmed up, scanning, imagery to catalog
 - So, deployment at 8:30pm – set up time – warm up time for each radar

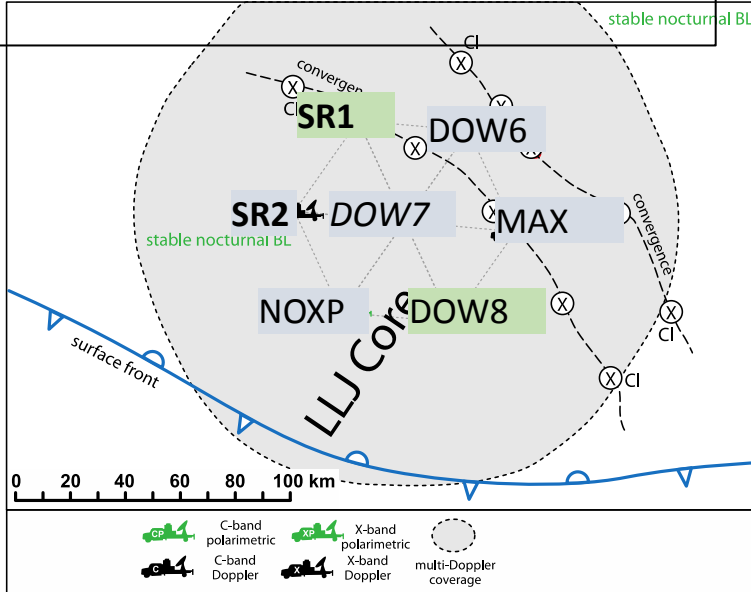
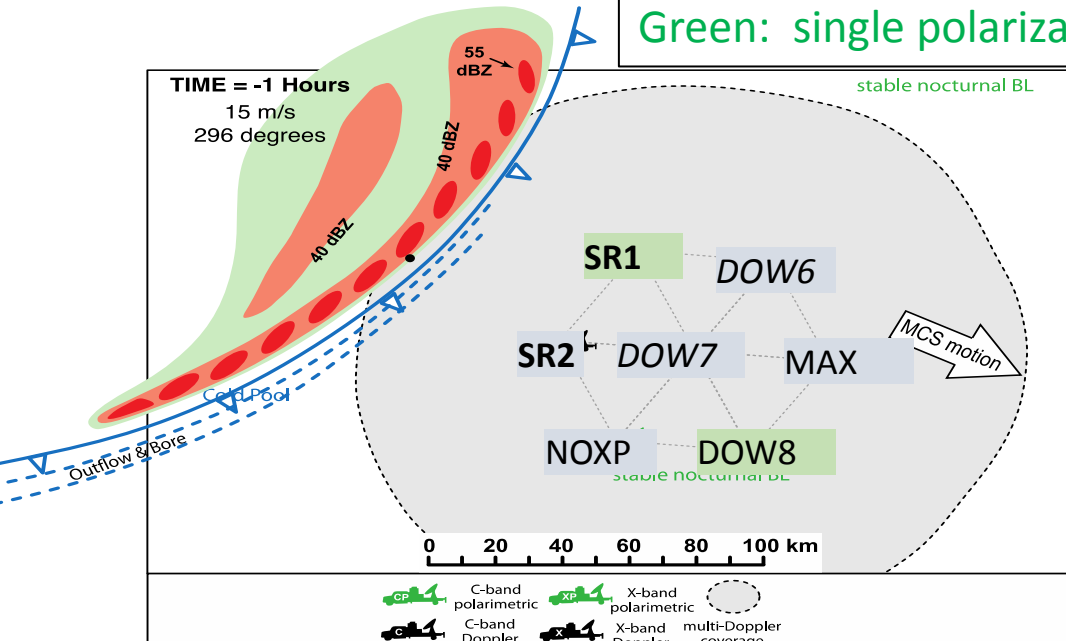


Radar Placement: I recommend same config all the time

- Consistency makes it simple. Most weather from west
- **SRs best at looking through long path precip**
- *DOW7, has extra scientist seat and satellite, dual-cell, and 18 m mast and high power VHF.*
- *DOW7 and DOW6 scan faster, with dual-frequencies, so can RHI in all directions at moderate range.*
- DOW6 and DOW7 may have slightly better sensitivity since they radiate 500 W average through dual transmitters.

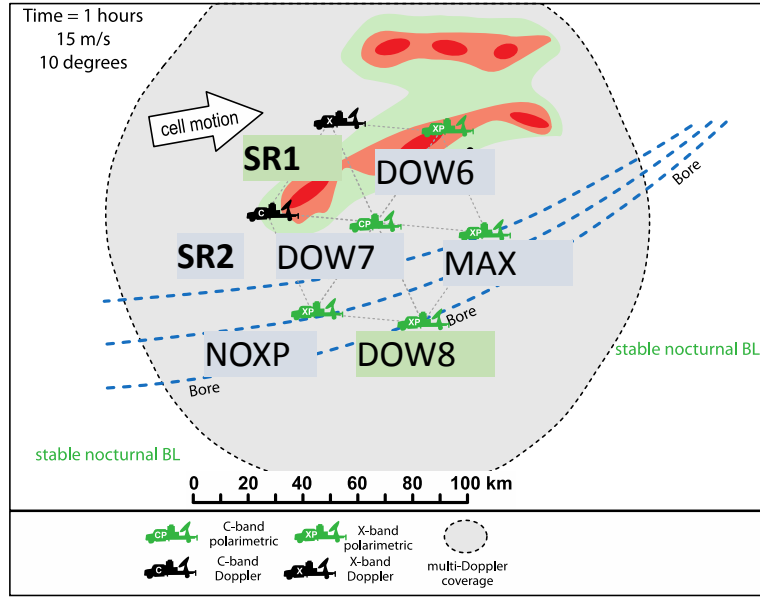


Bold: best precip penetration
Italic: fastest scanning dual-pol + best comms, seating for FRC
Green: single polarization



- **Bore Hexagon: Size, Location**

- 20 km baselines (not 30-35)
- RHIs
- 8 minutes (not 10 minutes)



- **CI Hexagon: Size, Location**

- 20 km baselines (not 30-35)
- RHIs
- 8 minutes (not 10 minutes)

