

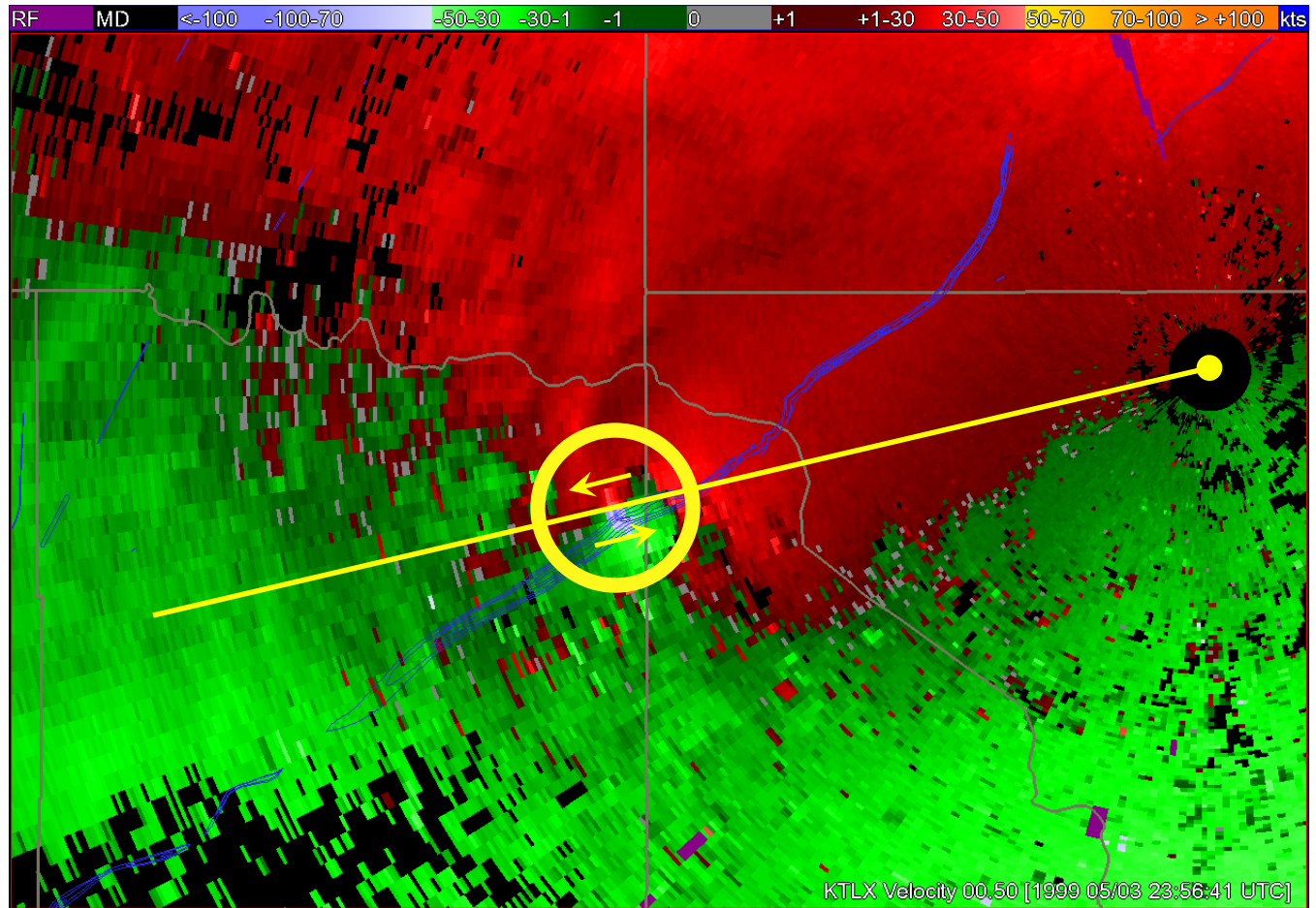
Circulation Detection and Analysis

Dr. Kim Elmore
Warning Research and
Development Division

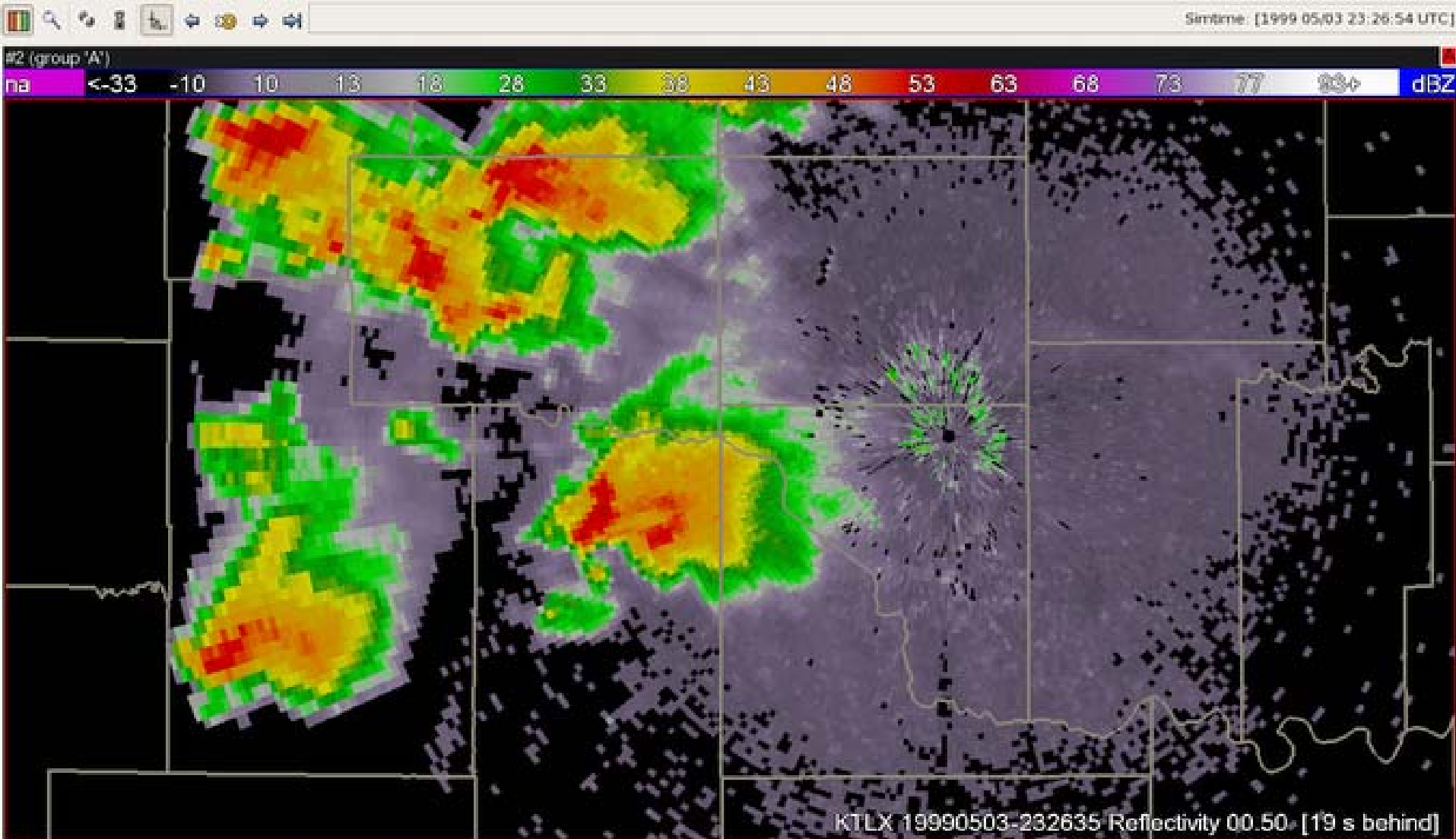


Circulations in Two Dimensions

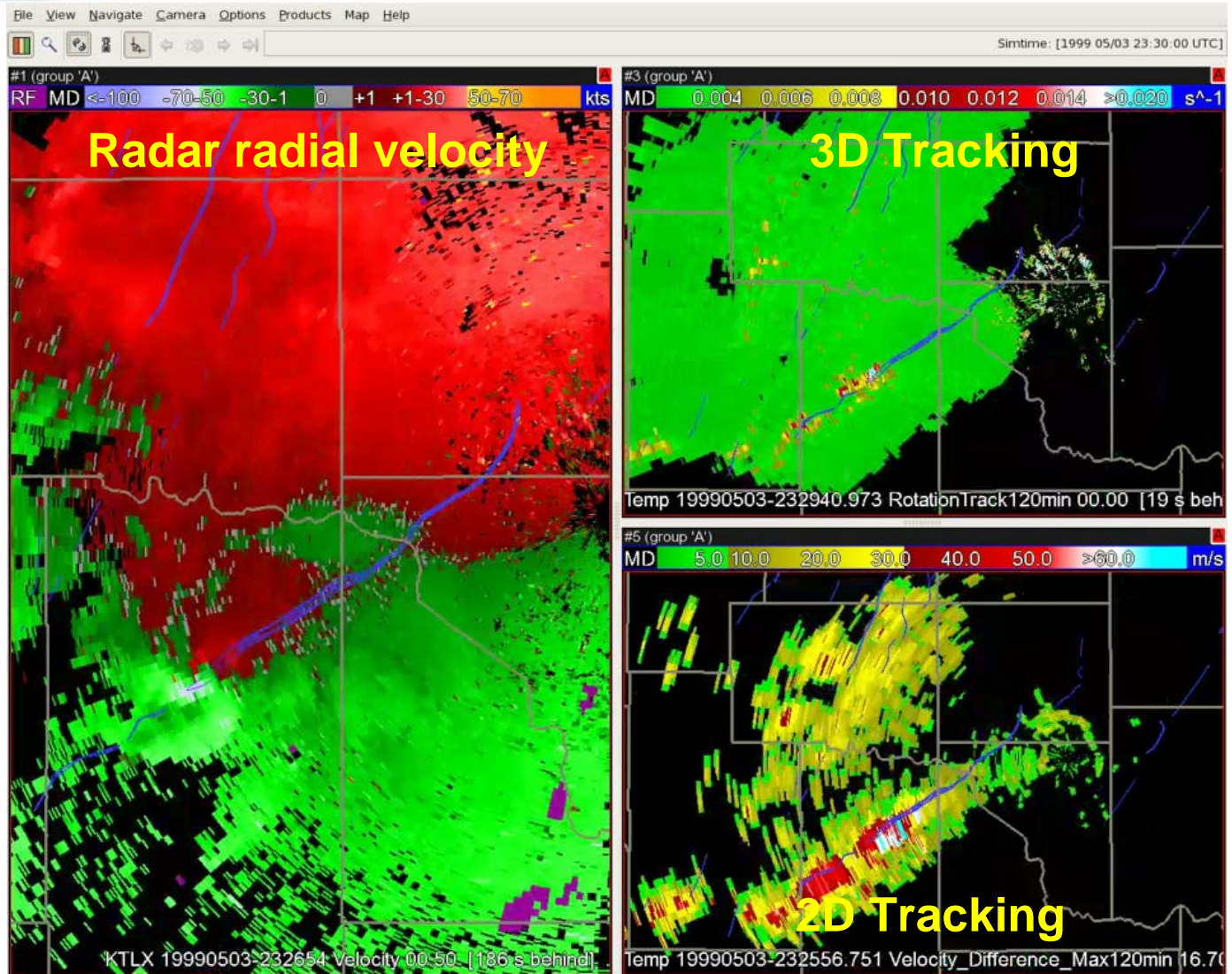
Circulations are important as proxy signatures for severe weather



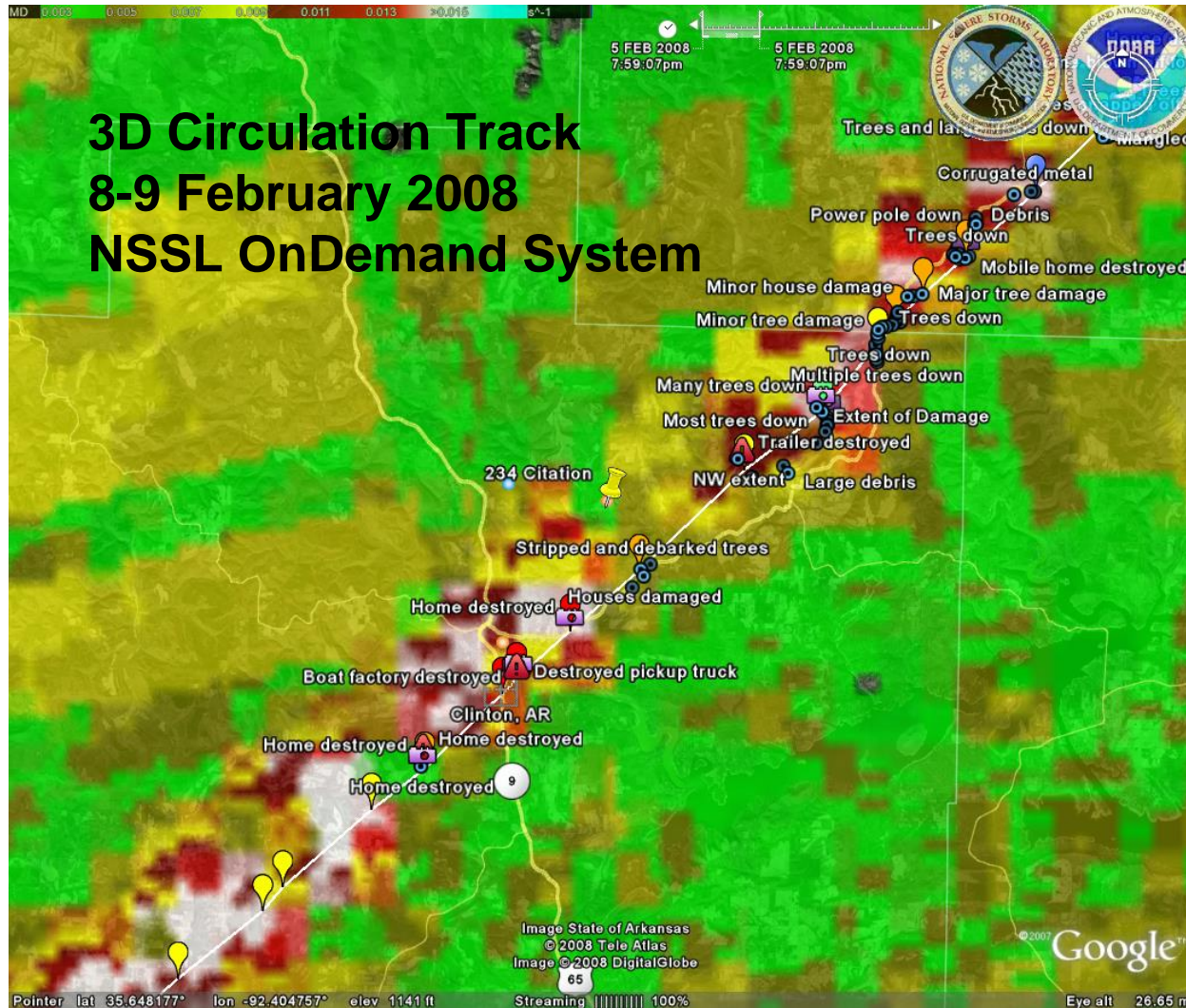
Circulations in Three Dimensions



Circulation Tracking



Additional Utility



Circulation track used for:

- damage path assessment
- emergency search and rescue
- assessment of building and storm shelter integrity and performance (FEMA)



Questions

Are in order!