



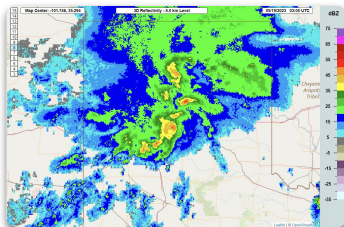
Supercell Visualization in Virtual Reality (VR)

Interns: Damian Figueroa

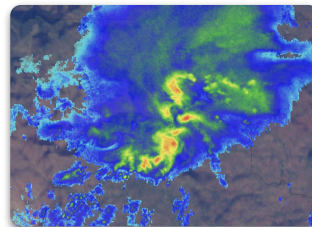
Mentors: Guangyang Fang

Objective

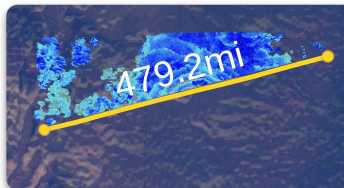
Demonstrate the structural and radar features of a supercell using virtual reality.



MRMS Product Viewer



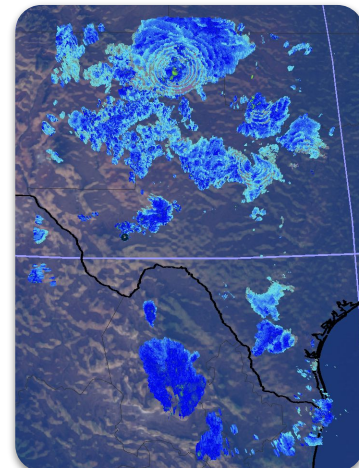
Our horizontal cross section



Newly-restored measure tool



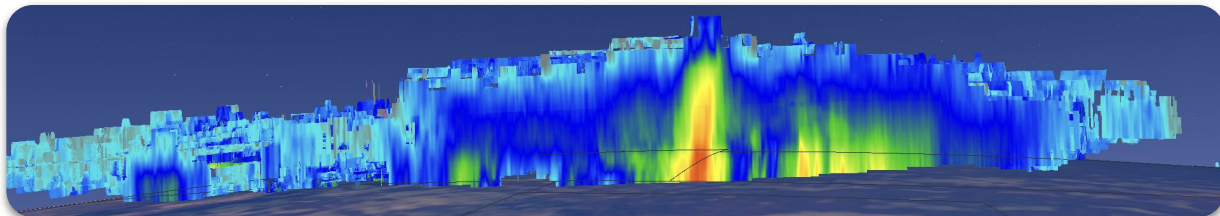
CoRP Presentation



Storm mesh reconstruction

Results

- Mesh reconstruction of radar data
- Vertical cross section tool
- Constraints imposed by the size and availability of radar data



Vertical cross section of MRMS merged reflectivity data