

EOF Analysis of Green Cumulus Mesoscale Organization

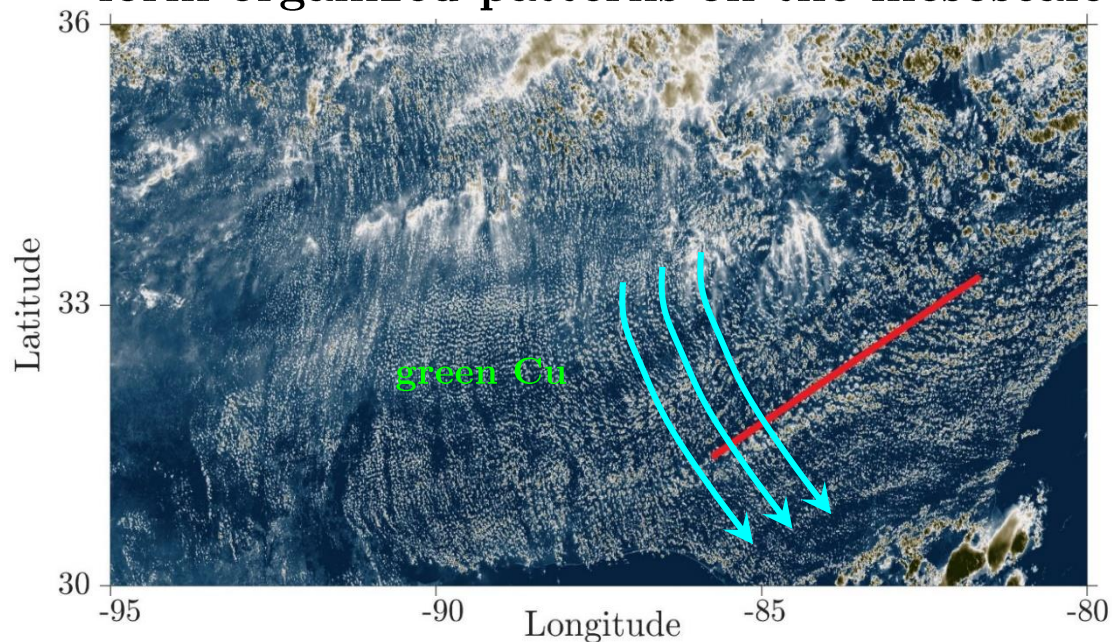
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SCAN ME

Continental shallow cumulus (green Cu) form organized patterns on the mesoscale



- Cloud field, 22.08.2018 @ 16:07 EST, over continental USA
- Data: reflectance images from GOES—16 ABI's "red" band
- High resolution: 0.5 km in space, 5 min in time
- Stable **cloud streets** oriented along the mean horizontal wind
- Front of convective **gravity waves (GW)**

EOF



Time-evolution of the field across a transection

