

Towards this goal, this study



Table 1. Summary of model and data assimilation p		
NCOMM		
LETKF		
36 Memb		
180 x 180 x 2		
stational		
2 km		
41, 500		
51, 250		
61, 125		
ZVD (Ziegler 198		
et al. 201		
NME 22 UTC E		
Mean at (Fi		
"ER1"		
"ER2"		
"OUN"		
<i>u, v</i> – 2.5 m s <sup>-</sup>		
deviatio		
Relax to Prior Pe		
Chang et al. 20		
0.5)		
Gaspari and Co		
Radial Velocity		
Reflectivity:		
20 Min (2200 – 2		
5 Min, asynch		

Table 2. Summary of the MPAR	dataset used in ass
Quality-Controlled MPAR	2221:12 - 2307
Data	
Elevation Angles	0.5°, 0.9°, 1.3°,
	3.1°, 4.0°, 5.1°,
Vertical Cut-off	10 km
	Cressman, 3
Objective Analysis	horizontal(vertion
	of influer
Grid Spacing	6 km
# of 1-Min(5-Min) Volumes	
Assimilated at:	
2240 UTC	18(5)
2250 UTC	27(7)
2300 LITC	35(9)



and 2300:26 UTC. El Reno and Will Rogers damage tracks are plotted in black with Oklahoma county borders in gray.

## Initial Analysis and Forecasts of the 31 May 2013 El Reno Tornadic Storm: Impact from Rapid-Scan Phased Array Radar (PAR)

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