



National Weather Service

Storm Data and Unusual Weather Phenomena



April 2005

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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NEW MEXICO, Southeast

Eddy County

9 N Artesia to
15 NE Carlsbad

17	1530MST 1710MST				0	0	70K	25K	Hail(1.75)
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Numerous reports of golfball size hail were received as an isolated supercell storm propagated southeast over portions of northern Eddy County during the late afternoon and early evening hours of the 17th. The swath of damaging hail began at the Eddy and Chaves County line nine miles north of Artesia along New Mexico Highway 351, and ended as the storm weakened over rural northeastern Eddy County.

The most significant damage was reported between Artesia and the Eddy and Chaves County line. At least four residences suffered roof damage and broken windows. Four vehicles also were heavily damaged, including a New Mexico State Police cruiser and a welding truck.

Several reports indicated that the duration of hail fall exceeded thirty minutes at some homesteads. Hail accumulated to depths of eight inches at some locales along the storm's path. Traffic along U.S. Highway 285 and New Mexico Highway 351 was reportedly at a stand still in the wake of the storm as hail covered the driving surfaces and created hazardous driving conditions.

Eddy County

9 N Artesia

17	1535MST 1600MST				0	0	20K	75K	Hail(2.50)
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A resident along the Eddy and Chaves County line, near the intersection of North 13th Street and Pearson Road, reported that occasional hen egg to tennis ball size hail accompanied the storm. The homestead suffered "extensive" damage, both structural and to several vehicles. The hail was, at times, wind driven by severe thunderstorm wind gusts. This resulted in the loss of all northward facing windows. The roof of the residence was severely damaged. Crop damage on the property also was reported to be "extensive".

Eddy County

9 N Artesia

17	1540MST				0	0	0	0	Thunderstorm Wind (EG57)
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Severe thunderstorm winds accompanied the giant hail at a homestead located on the Eddy and Chaves County line. Rural residents estimated the peak wind gusts to be near 65 MPH. These winds drove very large hail horizontally which resulted in the loss of northward facing windows in the home and in several vehicles. Significant damage was not otherwise directly attributed to the severe winds.

Eddy County

3 S Carlsbad Arprt to
Whites City

17	1815MST 1846MST				0	0	0	0	Hail(1.75)
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A second supercell storm developed over southern Eddy County. This storm resulted in large hail over the area from just south of the Carlsbad Airport to Whites City. Public reports from Whites City indicated that golfball size hail covered the ground. No significant damage was reported.

Two isolated supercell thunderstorms resulted in very large hail over the plains of Eddy County during the late afternoon and evening of the 17th. The first storm propagated southeast out of Chaves County. This storm slowly moved southeast over portions of northern Eddy County and resulted in nearly two hundred thousand dollars worth of damage to vehicles, homes, and crops. Due to the storm's slow movement, hail up to the size of golfballs persisted for up to half an hour in some locations. Wind driven tennis ball size hail produced "extensive" damage to a farm on the Eddy and Chaves County line north of Artesia. The storm eventually weakened in rural northeastern Eddy County.

Another supercell developed over southern Eddy County. This storm resulted in large hail ranging in size from pennies to golfballs from just south of the Carlsbad Airport to Whites City. No significant damage was reported with this storm.



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TEXAS, West

TXZ074

Davis / Apache Mountains Area

01	0000CST 0830CST				0	0	0	0	High Wind (MG65)
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A strong cold front swept south across west Texas during the evening of March 31st. As this front encountered the higher terrain in southwestern Texas, severe winds were recorded in the Davis Mountains, beginning during the late evening of the 31st and persisting into the early hours of April 1st. Peak winds at the McDonald Observatory reached 77 MPH atop Mount Locke just before midnight CST. Gusts in excess of 70 MPH persisted for more than four hours, well into the early hours of the 1st.

TXZ074

Davis / Apache Mountains Area

05	0500CST 1600CST				0	0	10K	0	High Wind (MG68)
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A strong upper level storm system propagated east over the southern Rockies on the 5th and resulted in severe mountain winds over southwestern Texas. Measured wind gusts peaked at 78 MPH in the Davis Mountains. The winds downed utility lines across the region and several rural residents, including the McDonald Observatory, reported power and telephone outages

TXZ048

Scurry

06	1430CST 1630CST				0	0	30K	0	Strong Wind (MG42)
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Gradient winds in the wake of a cold front destroyed a metal building at the Snyder Airport. Peak wind gusts to 50 MPH were measured during the afternoon hours at the airport by automated weather instruments. These winds followed several consecutive days of strong winds across the area that could have contributed to weakening the structure.

Culberson County

44 ENE Pine Spgs

17	2039CST				0	0	0	0	Hail(1.50)
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Ping pong ball size hail fell over extreme northeastern Culberson County just west of U.S. Highway 285 during the late evening of the 17th. A National Weather Service volunteer Skywarn spotter surveyed the area the following day, and found evidence of large hail in the scarred landscape where one and a half inch craters littered the open range land.

Reeves County

16 SE Orla

17	2126CST 2130CST				0	0	0	0	Hail(1.25)
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Quarter to half dollar size hail accumulated to a depth of three inches along U.S. Highway 285 northwest of that highway's intersection with Texas Highway 302. The hail was discovered more than an hour after the storm passed this location, so the actual size of the falling hail was likely larger than indicated. Event time is based on radar.

Reeves County

7 NW Pecos

17	2228CST				0	0	0	0	Hail(1.00)
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Quarter size hail was reported along Farm to Market Road 2119 northwest of Pecos.

An isolated supercell thunderstorm propagated southeast out of the plains of southeastern New Mexico during the late evening of the 17th. This storm produced large hail across portions of the Upper Trans Pecos region of west Texas.