



# National Weather Service

## Storm Data and Unusual Weather Phenomena



May 2005

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b><u>TEXAS, South Panhandle</u></b>									
<b>Yoakum County</b>									
<b>Denver City</b>	10	1707CST			0	0			Thunderstorm Wind (MG57)
<b>Yoakum County</b>									
<b>7 W Denver City</b>	10	1710CST			0	0			Thunderstorm Wind (MG58)
			Measured by the Texas Tech West Texas Mesonet.						
<b>Yoakum County</b>									
<b>Plains</b>	10	1728CST			0	0			Hail(1.00)
<b>Terry County</b>									
<b>Brownfield</b>	10	1750CST			0	0			Thunderstorm Wind (MG69)
			Measured by the Texas Tech West Texas Mesonet.						
<b>Cochran County</b>									
<b>2 E Lehman</b>	10	1805CST			0	0			Hail(0.75)
<b>Cochran County</b>									
<b>1 W Whiteface</b>	10	1806CST			0	0			Hail(1.75)
<b>Cochran County</b>									
<b>Morton</b>	10	1810CST			0	0			Thunderstorm Wind (MG59)
			Measured by the Texas Tech West Texas Mesonet.						
<b>Hockley County</b>									
<b>8 S Pep</b>	10	1825CST			0	0			Hail(1.75)
<b>Hale County</b>									
<b>Edmonson</b>	10	1830CST			0	0			Hail(1.00)
<b>Lamb County</b>									
<b>Littlefield</b>	10	1839CST			0	0			Hail(1.75)
<b>Hockley County</b>									
<b>Levelland</b>	10	1845CST			0	0			Thunderstorm Wind (EG52)
			Stong thunderstorm wind gusts downed power lines.						
<b>Lubbock County</b>									
<b>Lubbock</b>	10	1854CST			0	0			Thunderstorm Wind (MG52)
			Measured by KJTV Fox34 News Channel 9 anemometer.						
<b>Lubbock County</b>									
<b>Reese Afb</b>	10	1855CST			0	0			Thunderstorm Wind (MG54)
			Measured by the Texas Tech West Texas Mesonet.						
<b>Hale County</b>									
<b>Abernathy</b>	10	1900CST			0	0			Thunderstorm Wind (MG54)
			Measured by the Texas Tech West Texas Mesonet.						
<b>Parmer County</b>									
<b>Friona</b>	10	1910CST			0	0			Thunderstorm Wind (MG50)
			Measured by the Texas Tech West Texas Mesonet.						
<b>Castro County</b>									
<b>Dimmitt</b>	10	1920CST			0	0			Thunderstorm Wind (MG55)
			Measured by the Texas Tech West Texas Mesonet.						
<b>Lamb County</b>									
<b>Olton</b>	10	1925CST			0	0			Thunderstorm Wind (MG55)
			Measured by the Texas Tech West Texas Mesonet.						
<b>Swisher County</b>									
<b>Tulia</b>	10	1939CST			0	0			Hail(0.75)
<b>Hale County</b>									
<b>8 E Halfway</b>	12	1245CST			0	0			Hail(3.00)



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<b><u>TEXAS, South Panhandle</u></b>									
Hale County Plainview	12	1255CST			0	0			Hail(1.00)
Hale County Plainview	12	1300CST			0	0			Hail(2.00)
Hale County Plainview	12	1315CST			0	0			Hail(1.75)
Floyd County 9 N Lockney	12	1445CST			0	0			Hail(4.25)
Lamb County Olton	12	1510CST			0	0			Hail(1.00)
Lamb County Olton	12	1515CST			0	0			Hail(1.75)
Hale County Edmonson	12	1549CST			0	0			Hail(1.75)
Swisher County Kress	12	1610CST			0	0			Hail(1.00)
Castro County Dimmitt	12	1617CST			0	0			Hail(1.00)
Floyd County 2 N South Plains	12	1631CST			0	0			Hail(4.25)
Lynn County Tahoka	12	1635CST			0	0			Hail(1.00)
Swisher County 6 E Kress	12	1700CST			0	0			Hail(3.00)
Briscoe County 10 S Silverton	12	1707CST			0	0			Hail(1.25)
Floyd County South Plains	12	1720CST			0	0			Hail(3.00)
Lynn County 3 NW Wilson	12	1737CST			0	0			Hail(0.75)
Briscoe County 1 E Quitaque	12	1750CST			0	0			Hail(1.75)
Lubbock County Slaton	12	1750CST			0	0			Hail(1.00)
Lubbock County 3 SE Woodrow	12	1805CST			0	0			Hail(1.75)
Briscoe County 2 N Quitaque	12	1814CST			0	0			Hail(2.75)
Lubbock County 12 E Lubbock Ransom Canyon.	12	1835CST			0	0			Hail(1.75)
Lubbock County 14 E Lubbock Buffalo Springs.	12	1901CST			0	0			Hail(2.50)
Hale County Plainview	12	1904CST 1915CST			0	0			Flash Flood
Flooded roads in Plainview.									



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					Killed	Injured	Property	Crops	
<b><u>TEXAS, South Panhandle</u></b>									
<b>Hale County</b>									
Plainview	12	1904CST			0	0			Hail(1.75)
<b>Lubbock County</b>									
6 SE Lubbock	12	1915CST			0	0			Thunderstorm Wind (EG52)
									Roof blown off a convenient store by strong thunderstorm wind gusts
<b>Hale County</b>									
Plainview	12	1917CST			0	0			Hail(1.00)
<b>Crosby County</b>									
Ralls	12	1950CST			0	0			Hail(1.75)
<b>Hale County</b>									
9 E Abernathy	12	1956CST			0	0			Hail(0.75)
<b>Crosby County</b>									
2 W Ralls	12	2000CST			0	0			Thunderstorm Wind (EG61)
<b>Hall County</b>									
10 W Estelline	12	2012CST			0	0			Hail(2.00)
									Parnell community.
<b>Lubbock County</b>									
1 N New Deal	12	2050CST			0	0			Hail(2.50)
<b>Childress County</b>									
10 N Childress	12	2055CST			0	0			Hail(0.88)
<b>Lubbock County</b>									
New Deal	12	2105CST			0	0			Hail(2.75)
<b>Floyd County</b>									
2 W Mc Coy	12	2110CST			0	0			Hail(1.00)
<b>Floyd County</b>									
5 S Floydada	12	2123CST			0	0			Hail(0.88)
<b>Lubbock County</b>									
4 W New Deal	12	2133CST			0	0			Hail(1.50)
<b>Floyd County</b>									
4 S Floydada	12	2141CST			0	0			Hail(1.00)
<b>Floyd County</b>									
5 W Dougherty	12	2205CST			0	0			Hail(1.75)
<b>Hockley County</b>									
Anton	12	2218CST			0	0			Hail(1.75)
<b>Motley County</b>									
Roaring Spgs	12	2245CST			0	0			Hail(1.75)
<b>Hale County</b>									
8 NW Abernathy	12	2304CST			0	0			Hail(1.00)
<b>Crosby County</b>									
Cone	12	2330CST			0	0			Hail(2.00)
<b>Hale County</b>									
7 S Plainview	12	2344CST			0	0			Hail(1.75)
<b>Floyd County</b>									
1 SW Lockney	13	0015CST			0	0			Hail(1.75)
<b>Cottle County</b>									
5 W Paducah	13	0112CST			0	0			Hail(1.00)
<b>Cottle County</b>									
4 E Paducah	13	0130CST			0	0			Hail(1.75)



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### TEXAS, South Panhandle

<b>Cottle County</b>									
5 NNE Paducah	13	1515CST			0	0			Hail(1.75)
<b>Cottle County</b>									
10 E Paducah	13	1533CST			0	0			Hail(2.75)
<b>Briscoe County</b>									
Silverton	13	1621CST			0	0			Hail(0.88)
<b>Briscoe County</b>									
Quitaque	13	1648CST			0	0			Hail(1.75)
<b>Briscoe County</b>									
1 N Quitaque	13	1648CST			0	0			Hail(3.00)
<b>Briscoe County</b>									
Quitaque	13	1658CST			0	0			Hail(1.00)
<b>Childress County</b>									
3 E Childress	13	1713CST			0	0			Hail(1.75)
<b>Lamb County</b>									
1 W Olton	12	1530CST	0.1	40	0	0			Tornado (F0)
F0 tornado 1 mile west of Olton.									
<b>Hale County</b>									
1 N Plainview	12	1604CST	0.1	40	0	0			Tornado (F0)
F0 tornado 1 mile north of Plainview.									
<b>Hale County</b>									
10 NE Plainview	12	1641CST	0.2	50	0	0			Tornado (F0)
F0 tornado 10 miles northeast of Plainview.									
<b>Floyd County</b>									
South Plains	12	1713CST 1725CST	1.5	1000	0	0			Tornado (F2)
F2 Tornado South Plains.									

Several power poles were snapped in half or blown over. The telephone poles surveyed were blown over in a variety of patterns, south to north direction, southwest to northeast direction, and a west to east direction. In addition, several center pivots were either blown over or twisted and two vehicles were flipped over in a field from a south to north direction. The Tornado produced the most damage shortly before and after crossing State Highway 207.

This tornado was the parent or main tornado involved in what is known as a multi-vortex tornado. At times, this tornado was greater than one-half mile in width. Large tornadoes sometimes undergo a process where the flow inside the tornado becomes disrupted, but does not dissipate. The result is a turbulent circulation, or vortex, where smaller and typically weaker tornadoes develop and rotate around the parent or much broader circulation. The following South Plains tornado was one of these smaller and weaker tornadoes associated with this multi-vortex tornado.

<b>Floyd County</b>									
South Plains	12	1724CST 1740CST	0.5	500	0	0			Tornado (F0)
F0 tornado in South Plains.									

A multi-vortex tornado associated with the previous circulation. This tornado was much weaker in comparison to the primary and stronger tornadic circulation mentioned earlier. This tornado was reported approximately one-half mile south of FM 689 and 7 miles east of State Highway 207.



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### TEXAS, South Panhandle

#### Crosby County

9 SW Ralls to  
3 SW Ralls

12	1940CST 1955CST	6	500	0	0	300K	200K	Tornado (F3)
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F3 tornado in Ralls.

A strong tornado developed approximately 9 miles to the southwest of Ralls around 8:40 PM and tracked to the northeast for six miles. Along the path of this tornado, several power poles were blown over or snapped and a few center pivots were overturned or twisted. A residence was completely destroyed with debris entirely removed from the foundation. The majority of the debris from this structure was blown to the northeast approximately 10 to 30 feet from the foundation...with other related debris dispersed over a mile away. Two pickup trucks were lifted and deposited upside down 5 to 30 feet from former locations. Trees were mud-splattered and stripped of bark with large branches completely torn off trunks. Center pivot irrigation systems were either blown over or twisted in surrounding fields...however some were left unscathed to the northeast of this tornado. Additional debris associated with this tornado was also deposited in a field across from US Highway 62/82 before dissipating.

#### Crosby County

1.5 W Ralls to  
3 N Ralls

12	1955CST 2010CST	4.5	500	0	0	100K	75K	Tornado (F2)
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F2 tornado in Ralls.

In assessing the damage from the F3 tornado, the debris field diminished in areal coverage as the tornado tracked farther to the northeast along the end of its path. Damage assessment and public accounts of the storm suggested the tornado weakened and lifted. Meanwhile, a second tornado developed. This occurrence coincided with a break in the debris field observed during the Survey. This cycle of one tornado weakening and lifting while another tornado forms to the right of the former path is typical in well-organized tornadic thunderstorms. This second tornado developed approximately 1.5 miles west of Ralls and tracked to the north and northwest before dissipating three miles north of Ralls. The tornado damaged a residence and a nearby barn. Two thousand pound bales of hay were tossed from one side of US Highway 62/82 to the other as the tornado scattered debris to the south and southwest across an adjacent field. In addition, a vehicle was overturned on the property within debris from the residence and power poles were either blown down or snapped and center pivots overturned.

#### Lubbock County

7 NE Idalou

12	2020CST 2040CST	0.2	50	0	0			Tornado (F0)
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F0 tornado 7 miles northeast of Idalou.

An outbreak of severe thunderstorms occurred across portions of the Texas panhandle and the South Plains of West Texas on Thursday May 12, 2005.

The weather pattern on this day was highly conducive for severe thunderstorm and tornado development. A southward moving cold front early in the day became nearly stationary by afternoon as a strong flow of moisture overspread the area from the southeast.

Numerous waves of severe thunderstorms developed throughout the afternoon on Thursday and continued well into the after midnight hours on Friday. During this long duration event, between the hours of 4:30 PM and 10:00 PM, several tornadoes occurred across the area.

The National Weather Service in Lubbock, TX, dispatched a damage survey team to assess reports of tornadoes and associated damage.



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					Killed	Injured	Property	Crops	
<b><u>TEXAS, South Panhandle</u></b>									
<b>Cottle County</b>									
5 NNE Paducah	13	1515CST			0	0			Hail(1.75)
<b>Cottle County</b>									
10 E Paducah	13	1533CST			0	0			Hail(2.75)
<b>Cottle County</b>									
2 SW Hackberry	13	1615CST	0.1	40	0	0			Tornado (F0)
			Fire department report of a brief tornado touchdown.						
<b>Briscoe County</b>									
Silverton	13	1621CST			0	0			Hail(0.88)
<b>Briscoe County</b>									
Quitaque	13	1648CST			0	0			Hail(1.75)
<b>Briscoe County</b>									
1 N Quitaque	13	1648CST			0	0			Hail(3.00)
<b>Briscoe County</b>									
Quitaque	13	1658CST			0	0			Hail(1.00)
<b>Childress County</b>									
3 E Childress	13	1713CST			0	0			Hail(1.75)
<b>Parmer County</b>									
Farwell	26	2030CST			0	0			Hail(1.25)
<b>Terry County</b>									
Brownfield	28	1120CST 1140CST			0	0			Flash Flood
			Plains Highway closed; numerous cars under water.						
<b>Yoakum County</b>									
12 NE Plains	28	1140CST 1150CST			0	0			Flash Flood
			CR380 between Plains and Brownfield closed due to water. CR1780 5 miles north of Plains flooded.						
<b>Hockley County</b>									
Ropesville	28	1145CST 1155CST			0	0			Flash Flood
			Highway 62/82 near Ropesville flooded with 5 vehicles. CR385 north of 114 closed due to water						
<b>Yoakum County</b>									
12 NE Plains	28	1258CST 1310CST			0	0			Flash Flood
			CR380 closed due to water. CR1780 flooded north of Highway 82 and CR380.						
<b>Terry County</b>									
Brownfield	28	1450CST 1500CST			0	0			Flash Flood
			Several flood roads. FM3858-CR137, Plains Highway, and Seagraves Highway flooded.						
<b>Cochran County</b>									
10 N Bledsoe	31	0020CST			0	0			Hail(2.00)
			Reported by KCBN/NBC News Channel 11 Storm Chaser.						
<b>Hockley County</b>									
Sundown	31	0140CST			0	0			Hail(1.00)
			Reported by KCBN/NBC News Channel 11 Storm Chaser.						
<b>Bailey County</b>									
Muleshoe	31	0148CST			0	0			Hail(1.75)



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<b><u>TEXAS, South Panhandle</u></b>									
<b>Lamb County</b> Sudan	31	0233CST			0	0			Hail(1.75)
<b>Hockley County</b> 1 SE Anton	31	0332CST			0	0			Hail(1.25)
<b>Lubbock County</b> Shallowater	31	0400CST			0	0			Hail(0.88)
<b>Lubbock County</b> 4 S Lubbock	31	0425CST			0	0			Hail(1.75)
		Reported by NWS Lubbock at Weather Forecast Office.							
<b>Lamb County</b> 5 S Littlefield	31	0520CST			0	0			Hail(1.75)
<b>Garza County</b> 10 W Post	31	0555CST			0	0			Hail(0.75)
<b>Garza County</b> 5 SW Graham Chapel	31	0610CST			0	0			Thunderstorm Wind (MG50)
		Measured by the Texas Tech West Texas Mesonet station in Graham.							
<b>Lubbock County</b> 7 SW Lubbock	31	0635CST			0	0			Hail(0.88)
<b>Castro County</b> 9 N Nazareth	31	1526CST			0	0			Hail(0.88)
<b>Castro County</b> 1 N Nazareth	31	1605CST			0	0			Hail(0.88)
<b>Castro County</b> 1 W Nazareth	31	1605CST			0	0			Hail(0.88)
<b>Swisher County</b> 15 NE Tulia	31	1605CST			0	0			Hail(1.75)
<b>Parmer County</b> Lazbuddie	31	1607CST			0	0			Hail(0.75)
<b>Castro County</b> 4 E Nazareth	31	1612CST			0	0			Hail(1.75)
<b>Castro County</b> 4 N Hart	31	1632CST			0	0			Hail(1.00)
<b>Lamb County</b> 8 WNW Earth	31	1645CST			0	0			Hail(2.00)
<b>Briscoe County</b> 10 NW Silverton	31	1650CST			0	0			Hail(1.75)
		Mackenzie Reservoir.							
<b>Floyd County</b> 6 N Lockney	31	1722CST			0	0			Hail(0.88)
<b>Briscoe County</b> Silverton	31	1730CST			0	0			Hail(0.88)
<b>Floyd County</b> 8 NE Floydada	31	1737CST			0	0			Hail(4.25)
		Cedar Hill.							
<b>Castro County</b> 16 NE Dimmitt	31	1745CST			0	0			Hail(2.50)
<b>Cottle County</b> 8 W Paducah	31	1745CST			0	0			Hail(1.00)



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					Killed	Injured	Property	Crops	

### TEXAS, South Panhandle

<b>Cottle County</b>									
8 W Paducah	31	1745CST 1800CST			0	0			Hail(1.00)
<b>Motley County</b>									
Matador	31	1747CST			0	0			Hail(1.75)
<b>Lamb County</b>									
8 N Littlefield	31	1748CST			0	0			Hail(1.75)
<b>Lamb County</b>									
Springlake	31	1805CST			0	0			Hail(1.00)
<b>Lamb County</b>									
1 S Amherst	31	1815CST			0	0			Hail(2.50)
<b>Dickens County</b>									
Mc Adoo	31	1820CST			0	0			Hail(0.75)
<b>Motley County</b>									
5 E Matador	31	1844CST			0	0			Hail(3.00)
<b>Hockley County</b>									
Anton	31	1845CST			0	0			Hail(1.75)
<b>King County</b>									
Dumont	31	1850CST			0	0			Thunderstorm Wind (EG50)
Metal barns damaged and overturned with roofs torn off. Several large tree limbs broken.									
<b>King County</b>									
Dumont	31	1853CST			0	0			Hail(0.88)
<b>Lubbock County</b>									
1 E Reese Afb	31	1905CST			0	0			Hail(2.50)
<b>Lubbock County</b>									
6 W Lubbock	31	1907CST			0	0			Hail(1.75)
<b>Lubbock County</b>									
6 SW Lubbock	31	1914CST			0	0			Hail(1.75)
<b>Dickens County</b>									
Spur	31	1915CST			0	0			Hail(0.75)
<b>Lubbock County</b>									
8 S Lubbock	31	1922CST			0	0			Hail(2.50)
<b>Lubbock County</b>									
8 SSW Lubbock	31	1923CST			0	0			Hail(1.75)
<b>Stonewall County</b>									
Peacock	31	1930CST			0	0			Hail(0.75)
<b>Kent County</b>									
1 S Jayton	31	1935CST			0	0			Thunderstorm Wind (MG54)
Measured by the Texas Tech West Texas Mesonet station in Jayton.									
<b>Garza County</b>									
8 W Post	31	1955CST			0	0			Hail(1.75)
<b>Lynn County</b>									
5 NE Wilson	31	2001CST			0	0			Hail(1.75)
<b>Garza County</b>									
4 W Graham Chapel	31	2011CST			0	0			Hail(1.75)

The Lubbock metropolitan area, and surrounding communities, were impacted by large hail during the early morning and, once again, during the evening hours. On the leading edge of two upper-level disturbances...combined with low-level interaction during the late afternoon and evening along the dryline feature...a series of severe thunderstorms traveled from northwest to southeast across the Lubbock metropolitan area. These severe thunderstorms were prolific hail producers and delivered hail ranging in size from





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		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	

### TEXAS, South Panhandle

penny to tennis ball in the City of Lubbock