



National Weather Service

Storm Data and Unusual Weather Phenomena



October 2004

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

Lea County

2 W Lovington **04** **1905MST** **0** **0** **0** **0** **Hail(1.00)**
An isolated severe storm produced quarter size hail at the Lovington Airport on the evening of the 4th.

Eddy County

7 SSW Whites City **05** **1605MST** **0** **0** **0** **0** **Hail(0.75)**
A spotter reported penny size hail along U.S. Highway 62/180 in southern Eddy County. The hail was ejected several miles north of the main precipitation core of an isolated supercell that propagated east along the Texas and New Mexico border.

Eddy County

5 W Malaga **05** **1840MST** **0** **0** **0** **0** **Hail(0.75)**
A second supercell developed near Whites City and propagated east to near Malaga. A storm spotter reported penny size hail along State Highway 7.

Lea County

**9 N Tatum to
13 E Tatum** **05** **1755MST
1905MST** **0** **0** **50K** **0** **Thunderstorm Wind (EG61)**
A local utility company reported severe thunderstorm winds that downed power poles at several locations in northern Lea County. One pole was blown down along State Highway 206 north of Tatum at 17:55 MST. Additional utility poles were broken along U.S. Highway 380 east of Tatum between 18:25 and 19:05 MST. A resident near Gladiola estimated 60 MPH winds shortly before 19:00 MST. The electric company reported minor damage to a home near that community when thunderstorm winds ripped lines off of the home. Live electric lines came to rest tangled around a nearby pole. The extent of structural damage to the home was unknown. Power lines were blown 100 yards from utility poles just west of Bronco at 19:05 MST.

Lea County

**Tatum to
Gladiola** **05** **1818MST
1859MST** **0** **0** **0** **0** **Hail(1.75)**
Local officials reported large hail from near Tatum to Gladiola. Penny size hail was reported in Tatum at 18:17 MST as the core of the storm passed just north of the city. Hail up to the size of golfballs was reported northeast of Tatum at 18:45 MST. Golfball size hailstones also accompanied severe thunderstorm winds at Gladiola shortly before 19:00 MST. No damage was reported as a direct result of the hail.

An isolated supercell thunderstorm propagated east-southeast over northern Lea County during the early evening of the 5th and resulted in a swath of damaging winds and large hail.

Eddy County

**13 SSW Artesia to
Artesia** **05** **1800MST
2100MST** **0** **0** **0** **0** **Flash Flood**
A storm spotter reported flash flooding along Rocky Arroyo that caused up to three feet of flowing flood water to inundated State Highway 137 and County Road 401. Additional street flooding was reported in downtown Artesia.

Eddy County

**Carlsbad to
6 SE Carlsbad** **05** **1840MST
1900MST** **0** **0** **0** **0** **Hail(1.50)**
Multiple reports of large hail ranging in size from pennies to ping pong balls were received across Carlsbad and just south of the city.

Eddy County

Loco Hills **05** **1900MST
1910MST** **0** **0** **50K** **0** **Thunderstorm Wind (EG57)**
A utility pole was blown onto a pickup truck by severe thunderstorm winds in Loco Hills. In addition, minor roof damage to several structures and broken tree limbs up to four inches in diameter also were reported.



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NEW MEXICO, Southeast

Eddy County

Loco Hills	05	1905MST 1910MST			0	0	0	0	Hail(0.88)
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Dime to nickel size hail accompanied the damaging winds in Loco Hills.

Eddy County

2 W Loco Hills to Loco Hills	05	1920MST 2100MST			0	0	0	0	Flash Flood
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Storm spotters reported flash flooding near Loco Hills. Flowing water covered several secondary roadways. Road graders were used to clear debris after the water receded.

Eddy County

Carlsbad	05	1928MST 2045MST			0	0	0	0	Flash Flood
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Local officials reported flash flooding that resulted in high water flowing through many city streets. Lee and Canal Streets were closed due to the flood waters. Water was reported flowing from sidewalk-to-sidewalk through Main Street

Lea County

5 N Tatum to 4 E Tatum	05 06	1930MST 0930MST			0	0	30K	0	Flash Flood
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Law enforcement officials reported flash flooding that inundated State Highways 125 and 206 near Tatum. In addition, U.S. Highway 380 also was impacted. Flash flooding caused damage to one structure when flood waters entered a residence in the northern part of town. High water continued to flow over several roadways after the heavy rainfall ended as runoff caused the flash flood threat to persist. Local officials continued to report road closures due to high water after sunrise on the morning of the 6th.

Lea County

Hobbs	05	2050MST 2300MST			0	0	0	0	Flash Flood
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The Hobbs Police Department reported over one foot of water flowing through several city streets.

Lea County

6 SE Lovington	05	2105MST 2106MST			0	0	0	0	Hail(0.88)
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The New Mexico State Police reported dime to nickel size hail at mile marker 66 on State Highway 18.

Lea County

Jal	05	2140MST 2300MST			0	0	0	0	Flash Flood
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Local officials reported flash flooding in Jal. High water was reported flowing through several city streets. The worst flooding was reported in the southern portions of the city.

An active round of severe weather affected southeastern New Mexico during the late afternoon and evening of the 5th. Isolated supercell storms initially tracked across northern Lea County and southern Eddy County. The storms produced large hail and damaging thunderstorm winds. By early evening, a squall line had evolved along the foothills of the Sacramento and Guadalupe Mountains. The line of severe storms propagated east over southeastern New Mexico and absorbed the supercellular convection. Several reports of hail and wind damage were received as the organized linear complex swept across the area. Heavy rainfall associated with the storms produced flash flooding. Localized flash flooding persisted into the morning of the 6th.



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TEXAS, West

TXZ046

Dawson

01	0000CST				0	0	250K	100K	Flood
08	1800CST								



A flooded playa lake inundated a section of U.S. Highway 87 north of Lamesa for more than a week during early October. Traffic was detoured at times to smaller state routes. The driving surface was severely damaged by the time flood waters receded on October 8th. Photo Courtesy: Russel Skiles - The Lamesa News - Reporter.

Local newspapers reported that a playa lake just west of U.S. Highway 87 in northern Dawson County flooded and restricted travel on the federal highway for an extended period of time. Rain fell over portions of Dawson County for a sixteen day period spanning the last week in September and the first week in October. The playa lake swelled to inundate a stretch of the U.S. highway's southbound lane during a flash flood event on September 30th. Runoff from daily rainfall maintained flood waters that covered the highway through October 8th. These flood waters ranged in depth from nine to fourteen inches over the driving surface.

Texas Department of Transportation crews and troopers from the Texas Department of Public Safety worked around the clock to divert traffic west from U.S. Highway 87 along Farm to Market Road 1066, then south along State Highway 179 to Lamesa. Water levels rose to additionally inundate the elevated northbound lane briefly during several periods of additional rainfall. Portions of the highway were damaged by the ponding water.

Brewster County

Marathon

01	1640CST				0	0	0	0	Hail(0.75)
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Penny size hail was reported in Marathon.

Reeves County

Pecos

02	0027CST				0	0	0	0	Hail(1.00)
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Reports of large hail were received as a severe thunderstorm passed over the city of Pecos. Hailstones ranged in size from pennies to quarters.

Reeves County

Pecos

02	0040CST				0	0	0	0	Flash Flood
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Numerous reports of flash flooding were received following heavy rainfall that fell as the severe storm moved over the city of Pecos. At 00:40 CST local officials reported over one foot of flowing water that covered several city street intersections. By 01:25 CST at



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TEXAS, West

Ector County

Odessa	04	0837CST 1130CST			0	0	20K	0	Flash Flood
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Several strong to severe thunderstorms impacted Ector County during the morning of the 4th. Urban flash flooding quickly developed as heavy rains fell over Odessa. Several city streets were closed due to flowing flood waters, including portions of 42nd, University, and Farm to Market Road 1936. Although most of the heavy rainfall had moved away from the city by 10:00 CST, runoff along asphalt and concrete surfaces posed a continued threat of flash flooding. At 10:15 CST the local broadcast media reported that the Odessa Police Department conducted high water rescues at the intersection of 42nd and Grandview.

Ector County

West Odessa to 3 NE Odessa	04	0845CST 0900CST			0	0	0	0	Hail(1.00)
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Multiple reports were received of nickel to quarter size hail from West Odessa to the intersection of Interstate 20 and Loop 338 on the northeast side of Odessa. No damage was reported.

Midland County

10 SW Midland	04	0910CST			0	0	0	0	Hail(1.00)
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Quarter size hail was reported by motorists along Interstate 20 in western Midland County.

Pecos County

6 N Sheffield to Sheffield	04	1139CST 1330CST			0	0	0	0	Flash Flood
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The public reported flash flooding that resulted in high water flowing over Farm to Market Road 1901 north of Sheffield. In addition, fire department officials reported flash flooding that caused high water to flow through several city streets

A round of strong to severe thunderstorms produced large hail and very heavy rainfall over portions of the west Texas Upper Trans Pecos and the Permian Basin during the morning hours of the 4th. Flash flooding in Odessa prompted the rescue of several stranded motorists.

Brewster County

10 E Marathon	04	1545CST			0	0	0	0	Hail(1.75)
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A local radio station relayed reports of golfball size hail along U.S. Highway 90 east of Marathon.

Brewster County

22 S Alpine	04	1607CST			0	0	0	0	Hail(0.75)
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Local law enforcement officials reported three-quarter inch diameter hail along State Highway 118 south of Alpine

Presidio County

2 WNW Ryan	04	1626CST			0	0	0	0	Hail(1.25)
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Quarter to half dollar size hail was reported west of Ryan.

A second round of severe convection developed over the Davis Mountains and Big Bend of west Texas during the afternoon of the 4th. This activity produced large hail up to the size of golfballs.

Reeves County

18 NW Pecos	05	1838CST	0.1	50	0	0	0	0	Tornado (F0)
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A local television broadcast meteorologist observed a brief tornado near Farm to Market Road 2119 northwest of Pecos. The tornado remained in open rangeland for less than one minute and no damage was reported.

Reeves County

Orla	05	2110CST			0	0	0	0	Hail(0.75)
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The public reported large hail in Orla.



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TEXAS, West

At least five supercell thunderstorms developed in vicinity of the Guadalupe Mountains and over of the Upper Trans Pecos region of west Texas during the late afternoon and early evening of the 5th. Several of these storms displayed Doppler radar signatures characteristic of very large hail (well-defined three-body scatter spikes) and tornadic activity (strong mesocyclones and hook echo reflectivity structures). Given that the storms generally occurred over remote rural areas, however, few reports of severe weather were received. A local television meteorologist that was storm chasing in the area did observe a brief tornado in northern Reeves County.

Loving County

Mentone	05	2205CST			0	0	0	0	Hail(0.88)
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A storm spotter in Mentone reported penny to nickel size hail.

Reeves County

17 NNW Pecos	05	2225CST 2230CST			0	0	0	0	Hail(0.75)
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Local law enforcement officials reported three-quarter inch diameter hail that accumulated on the ground four inches deep at the intersection of State Highway 302 and U.S. Highway 285.

Ward County

2 WSW Monahans to 2 W Monahans	06	0005CST			0	0	0	0	Thunderstorm Wind (EG52)
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A large tree was blown down by severe thunderstorm winds just west of Monahans.

Pecos County

Ft Stockton	06	0150CST			0	0	0	0	Hail(0.88)
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A storm spotter reported nickel size hail and 60 MPH winds in Fort Stockton. No damage was reported.

Pecos County

Ft Stockton	06	0150CST			0	0	0	0	Thunderstorm Wind (EG52)
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The supercell storms that affected portions of the west Texas Upper Trans Pecos on the 5th merged with a squall line that moved southeast out of the plains of southeastern New Mexico. The threat for tornadoes, large hail, and damaging winds slowly diminished during the late evening hours as the evolution to a large linear complex occurred.

Gaines County

Seminole	05	2225CST			0	0	0	0	Flash Flood
	06	0000CST							

Local emergency management officials reported flash flooding that resulted in curb-high water flowing through many city streets in Seminole.

Winkler County

Kermit	05	2310CST			0	0	0	0	Flash Flood
	06	0100CST							

The Winkler County Sheriff's Office reported high water that flowed through several city streets in Kermit.

Andrews County

Andrews	05	2318CST			0	0	0	0	Flash Flood
	06	0230CST							

Local law enforcement officials reported flash flooding along several city streets. High water was reported flowing across portions of Mustang, Avenue B, and 5th Streets in the northwestern parts of the city.

Dawson County

3 N Lamesa	05	2338CST			0	0	0	0	Flash Flood
	06	0200CST							

Dawson County officials reported flash flooding along State Route 137 with over one foot of flowing water over the highway just



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TEXAS, West

north of Lamesa.

Ector County

Odessa	05	2355CST			0	0	75K	0	Flash Flood
	06	0800CST							



Crews from the City of Odessa pump flood waters off Stevenson Street and into a tanker-truck as a resident walks through his inundated yard following a flash flood event on the morning of the 6th. Overnight flash flooding across the city resulted in stranded motorists and high water that threatened several homes. Photo Courtesy: Mark Sterkel - Odessa American.

Numerous reports of flash flooding were received from Odessa during the hours around midnight on the 5th. High water was initially reported crossing portions of Business Interstate 20 on the east side of the city. By 00:30 CST significant street flooding in the city was reported with fire department personnel conducting high water rescues of stranded motorists on Pueblo Street between 8th and 10th Streets. At 00:50 CST flood waters entered several residences along Moss, Stevenson, and Yukon Streets. Portions of Pueblo and Stevenson Streets remained underwater through sunrise on the 6th as runoff maintained the flash flood threat.

Midland County

Midland	06	0000CST			0	0	200K	0	Heavy Rain
		0130CST							

According to local newspaper accounts, very heavy rainfall associated with a complex of strong thunderstorms late on the 5th and early on the 6th caused damage to structures in Midland. Several business and homes suffered minor roof damage when water accumulated on flat-roof surfaces. Water entered the structures through the compromised roofs and caused significant interior damage. One local resident interviewed in the newspaper reported damage to both her home and place of employment.

Ward County

Monahans to 4 S Monahans	06	0010CST			0	0	0	0	Flash Flood
		0400CST							

More than one and a half feet of water was reported flowing through several city streets in Monahans shortly after midnight on the 5th. By 01:00 CST the public reported three feet of flood waters crossing Farm to Market Road 1176 near the intersection of State Highway 18 south of the city.



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TEXAS, West

2355CST

A severe thunderstorm at the south end of the developing squall line produced large hail over Valentine. Golfball size hail covered the ground and broke numerous windows.

Pecos County

Coyanosa	07	0104CST			0	0	0	0	Hail(0.75)
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Winkler County

17 NE Wink	07	0105CST 0110CST			0	0	0	0	Thunderstorm Wind (EG52)
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Severe thunderstorm winds broke large tree limbs up to half a foot in diameter near a rural residence in northeastern Winkler County.

Ector County

West Odessa to Odessa	07	0135CST 0150CST			0	0	15K	0	Thunderstorm Wind (EG57)
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A bow-shaped segment of the linear complex moved across central Ector County. Damaging thunderstorm winds blew down traffic signs in West Odessa. Power lines also were blown down in Odessa. In addition, a few windows were broken by the winds and several garbage dumpsters were blown into the city streets. No injuries were reported.

Andrews County

Andrews	07	0150CST			0	0	0	0	Hail(0.75)
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Penny size hail was reported in Andrews.

Ector County

West Odessa to Odessa	07	0210CST 1000CST			0	0	0	0	Flash Flood
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Flash flooding resulted in high water that inundated a few city streets in West Odessa.

Midland County

Spraberry	07	0235CST			0	0	0	0	Thunderstorm Wind (EG52)
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A storm spotter reported severe thunderstorm winds that downed large tree limbs near a rural residence in eastern Midland County.

Dawson County

Lamesa	07	0258CST			0	0	0	0	Thunderstorm Wind (EG52)
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Law enforcement officials estimated severe thunderstorm wind gusts to 60 MPH in Lamesa.

Dawson County

Lamesa to 7 NNE Lamesa	07	0350CST 0830CST			0	0	0	0	Flash Flood
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Flash flooding conditions developed during the pre-dawn hours when flowing high water forced the closures of numerous city streets in Lamesa. By 06:00 CST, the flash flood threat had spread north of the city. High water was reported flowing over U.S. Highway 87 north of Lamesa, and traffic was detoured away from the flooded area.

Pecos County

21 NW Ft Stockton	07	0418CST			0	0	0	0	Hail(0.75)
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An isolated severe storm developed in the wake of a departing squall line and produced large hail along U.S. Highway 285 in northwestern Pecos County.

Pecos County

13 NW Ft Stockton	07	0423CST 1020CST			0	0	0	0	Flash Flood
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Local officials reported flash flooding in northern Pecos County. At 04:23 CST high water was reported flowing over Farm to Market Road 1776 northwest of Fort Stockton. Additional rainfall and runoff caused the flooding to persist through the late morning hours.

A linear convective complex developed over the west Texas Upper Trans Pecos region shortly before midnight CST on the 6th. This activity propagated east across the Permian Basin during the early morning hours of the 7th and produced damaging winds and large hail.



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TEXAS, West

Jeff Davis County

8 NW Ft Davis

07 1720CST
1930CST 0 0 0 0 Flash Flood

The Jeff Davis County Emergency Manager reported flash flooding in low lying areas along State Highway 118 near the McDonald Observatory.

Jeff Davis County

8 NW Ft Davis

07 1720CST 0 0 0 0 Hail(0.88)

Nickel size hail was reported near the McDonald Observatory.

Thunderstorms developed over the Davis Mountains during the afternoon of the 7th. Nickel size hail accompanied very heavy rainfall near the McDonald Observatory north of Fort Davis.

Upton County

Mc Camey

08 1650CST 0 0 0 0 Hail(1.00)

Upton County

Mc Camey to
1 S Mc Camey

08 1720CST
1830CST 0 0 0 0 Flash Flood

Convection developed over the west Texas Upper Trans Pecos region and the southern Permian Basin during the late afternoon of the 8th. An isolated severe thunderstorm produced large hail in McCamey. In addition, more than half a foot of high water flowed over Farm to Market Road 1901 just south of the city.

Glasscock County

2 E Garden City

09 2345CST 0 0 0 0 Hail(1.00)

A sheriff's deputy report quarter size hail just east of Garden City.

Glasscock County

12 SSE Garden City

10 0015CST
0020CST 0 0 0 275K Hail(0.75)

Farmers in southeastern Glasscock County reported that large hail damaged almost 4,000 acres of cotton crops.

Reagan County

18 NE Stiles

10 0100CST 0 0 0 0 Hail(0.75)

Residents at a ranch headquarters in northeastern Reagan County reported penny size hail that covered the ground.

A pair of supercell thunderstorms developed over the eastern Permian Basin of west Texas during the hours around midnight on the 9th. These storms produced large hail that damaged cotton crops.

Borden County

Gail

13 1513CST 0 0 0 0 Hail(0.75)

Three-quarter inch diameter hail and "very strong winds" were reported in Gail.

Midland County

6 SE Midland

13 1526CST 0 0 0 0 Hail(0.88)

Penny to nickel size hail was reported in Valley View.

Dawson County

Lamesa

13 1530CST
1532CST 0 0 0 0 Hail(0.75)

Several reports of three-quarter inch diameter hail were received as a severe thunderstorm moved over Lamesa.

Scurry County

4 SE Knapp to
4.6 SE Knapp

13 1549CST
1550CST 0.6 50 0 0 0 0 Tornado (F0)

Multiple reports from both a local radio station and the public were received of a tornado between Knapp and Ira. The tornado



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TEXAS, West

remained in open fields north of Farm to Market Road 2085. No damage was reported.

Scurry County

7 W Ira

13	1550CST 1607CST				0	0	0	150K	Hail(0.88)
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A tornadic supercell resulted in agricultural damage in southwest Scurry County. A local farmer reported that large hail and strong winds combined to destroy cotton crops west of Ira.

Mitchell County

Colorado City

13	1615CST 1700CST				0	0	0	0	Flash Flood
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Flash flood conditions briefly affected Colorado City when over two inches of rain and large hail fell over the city. More than half a foot of water flowed through many city streets

Mitchell County

Colorado City

13	1615CST 1630CST				0	0	0	0	Hail(1.00)
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Dime to quarter size hail covered the ground on the north side of Colorado City.

Mitchell County

Colorado City

13	1630CST				0	0	0	0	Thunderstorm Wind (EG52)
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Severe thunderstorm winds produced damage to trees in Colorado City. A ten inch diameter tree limb was broken by the winds.

Howard County

(Bgs)Big Spring Arprt to Forsan

13	1645CST 1730CST				0	0	0	0	Hail(1.00)
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A severe thunderstorm produced a swath of large hail up the size of quarters from just southwest of Big Spring to Forsan. At 16:45 CST, three-quarter inch hail was reported at the Big Spring Airpark. The storm then tracked southeast along U.S. Highway 87. Between 17:20 and 17:30 CST, penny to quarter size hail was reported in Forsan. No damage was reported.

Severe thunderstorms developed in advance of a cold front over the central and eastern Permian Basin during the late afternoon and early evening hours of the 13th. Several supercell storms developed within a cluster of strong to severe convection. A tornado was observed in southwestern Scurry County. Hail up to one inch in diameter also resulted in agricultural losses.