

## Storm Data and Unusual Weather Phenomena - April 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
----------	-----------	-------------------	---------------------	------------------------

---

### TEXAS, South Panhandle

---

**(TX-Z026) CHILDRESS, (TX-Z032) COTTLE, (TX-Z038) KING**

04/01/15 00:00 CST	0	Drought
04/30/15 23:59 CST	0	

Drought conditions continued to improve over the entire region through the month of April. Childress, Cottle, and King Counties all remained in D2 (Severe) or greater. Only a sliver of D4 (exceptional) drought remained over Cottle County. Several rounds of precipitation through the month led to above normal rainfall amounts. Rainfall ranged from 200 to 300 percent of normal over the Rolling Plains in the primary drought areas. Agricultural impacts were greatly improved due to the wet weather. Furthermore, wildfire conditions were minimal due to an overall green up of fuels and a lack of windy days.

---

**COCHRAN COUNTY --- 13.1 S WHITEFACE [33.41, -102.62]**

04/08/15 17:25 CST	0	Thunderstorm Wind (MG 71 kt)
04/08/15 17:30 CST	0	Source: Mesonet

A Texas Tech University West Texas Mesonet located eight miles west-southwest of Sundown recorded downburst winds of 82 mph and 76 mph at 1725 CST and 1730 CST, respectively.

---

**MOTLEY COUNTY --- MATADOR [34.02, -100.82]**

04/08/15 17:30 CST	0	Hail (1.25 in)
04/08/15 17:30 CST	0	Source: Public

A citizen in Matador forwarded a photo to the NWS Lubbock staff of large hail up to 1.25 inches in diameter. Damage information was not available.

---

**HOCKLEY COUNTY --- 0.6 E LEVELLAND [33.58, -102.36], 2.1 SSE LEVELLAND MUNI ARPT [33.52, -102.36]**

04/08/15 17:50 CST	10K	Thunderstorm Wind (MG 66 kt)
04/08/15 18:09 CST	0	Source: Mesonet

Downburst winds were measured up to 76 mph on two occasions by a Texas Tech University West Texas Mesonet located four miles south of Levelland. Similar wind gusts damaged a porch and roof of a mobile home near Levelland. Also, one power pole was toppled on the south side of Levelland.

---

**LUBBOCK COUNTY --- 0.9 NW SHALLOWATER [33.69, -101.99], 3.5 N UNION [33.47, -101.76]**

04/08/15 18:10 CST	50K	Thunderstorm Wind (MG 66 kt)
04/08/15 18:40 CST	0	Source: ASOS

A series of downbursts moved over much of Lubbock County over the span of 35 minutes. The path length included in this entry is greatly simplified considering there were multiple, complex swaths of damaging winds that spread eastward across northern and central Lubbock County. Wind gusts were measured as high as 76 mph at the Lubbock International Airport at 1816 CST. The worst damage consisted of a roof barn being blown off in Shallowater around 1810 CST. Several locations in the city of Lubbock either measured or estimated winds ranging from 59 mph to 63 mph. Some buildings in north Lubbock sustained minor roof and shingle damage, although the majority of damage reports in the city were comprised of fallen tree limbs and branches.

---

**LYNN COUNTY --- 1.5 SSW TAHOKA [33.16, -101.79]**

04/08/15 18:30 CST	0	Thunderstorm Wind (EG 52 kt)
04/08/15 18:30 CST	0	Source: Law Enforcement

The Lynn County Sheriff's Office estimated a severe wind gust along with penny size hail. No damage was reported.

---

**HALE COUNTY --- 0.9 NE ABERNATHY MUNI ARPT [33.86, -101.76]**

04/08/15 18:45 CST	0	Thunderstorm Wind (MG 50 kt)
04/08/15 18:45 CST	0	Source: Mesonet

Measured by a Texas Tech University West Texas Mesonet near Abernathy.

---

**CROSBY COUNTY --- 6.5 SSE CROSBYTON MUNI ARPT [33.54, -101.17]**

04/08/15 19:05 CST	0	Thunderstorm Wind (MG 55 kt)
04/08/15 19:05 CST	0	Source: Mesonet

Measured by a Texas Tech University West Texas Mesonet near Crosbyton.

---

**GARZA COUNTY --- 0.7 N POST [33.19, -101.38]**

## Storm Data and Unusual Weather Phenomena - April 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	04/08/15 19:05 CST		0	Thunderstorm Wind (MG 58 kt)
	04/08/15 19:05 CST		0	Source: Mesonet

Measured by a Texas Tech University West Texas Mesonet near Post. At this same time, the Garza County Sheriff's Office estimated a 60 mph gust in the city.

### KENT COUNTY --- 2.8 NNE GIRARD [33.39, -100.66]

04/08/15 19:44 CST	0	Thunderstorm Wind (EG 52 kt)
04/08/15 19:44 CST	0	Source: Emergency Manager

Kent County emergency management estimated winds of 50 to 60 mph.

### KING COUNTY --- 8.6 WSW GUTHRIE 6666 ARPT [33.57, -100.48]

04/08/15 19:50 CST	0	Thunderstorm Wind (MG 56 kt)
04/08/15 19:50 CST	0	Source: Mesonet

Measured by a Texas Tech University West Texas Mesonet located 10 miles west-southwest of Guthrie.

### COTTLE COUNTY --- 4.6 W CHALK [33.87, -100.30]

04/08/15 20:30 CST	0	Thunderstorm Wind (EG 56 kt)
04/08/15 20:30 CST	0	Source: COOP Observer

An NWS Cooperative Observer reported a large tree was uprooted.

Scattered to numerous strong and severe thunderstorms developed late this afternoon and early evening as a vigorous upper trough moved across New Mexico. Many of these storms initially developed west of the dryline over the western South Plains in the form of high based thunderstorms; however, one severe storm developed farther east in southwest Motley County and produced hail to half-dollar size. Farther west, very dry sub-cloud layers led to the acceleration of thunderstorm downdrafts culminating with several downbursts, some with winds measured as high as 82 mph. In addition to thick blowing dirt, these winds created sporadic damage ranging from downed trees and limbs to minor structural damage. As these storms reached the dryline over the eastern South Plains, they solidified into a squall line and would go on to produce additional severe wind gusts and locally heavy rain in excess of one half inch before exiting the Rolling Plains near sunset.

### CROSBY COUNTY --- 10.0 S LORENZO [33.53, -101.53], 7.1 SSW OWENS [33.48, -101.41]

04/11/15 19:10 CST	0.50K	Hail (1.75 in)
04/11/15 20:14 CST	0	Source: Storm Chaser

A storm chaser and public citizen reported hail of ping pong ball size to golf ball size as a supercell thunderstorm moved from south of Lorenzo to east of Caprock. A car's windshield and a window of a nearby building were damaged.

A sharpening dryline developed this afternoon as deep layer wind fields increased ahead of an upper level disturbance moving toward Baja California. Isolated thunderstorms developed into the late afternoon and evening hours, with one originating near Brownfield and moving northeast across southern Lubbock County into western Crosby County. As low level wind fields increased into the early evening hours, this storm proceeded to quickly intensify and produce up to golf ball sized hail.

# Storm Data and Unusual Weather Phenomena - April 2015

Location

Date/Time

Deaths &  
Injuries

Property &  
Crop Dmg

Event Type and Details



## Storm Data and Unusual Weather Phenomena - April 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
				

*Golf ball size hail observed by a farmer south of Lorenzo. Image obtained from local media outlet.*

**HALL COUNTY --- 4.0 SW MEMPHIS [34.68, -100.58], 3.0 SW MEMPHIS [34.69, -100.57]**

04/12/15 16:45 CST	0	Hail (2.00 in)
04/12/15 16:55 CST	0	Source: Trained Spotter

A trained spotter along with fire department officials observed golf ball to hen egg size hail south and southwest of Memphis.

An upper level low pressure system pushed across the Trans-Pecos into southern New Mexico this afternoon and evening as a diffuse dryline set up across the South Plains region. Widespread thunderstorms developed, with one southwest of Memphis (Hall County) becoming strong enough to produce hail up to hen egg size.

**TERRY COUNTY --- 31.7 WSW TOKIO [32.96, -103.06], 31.3 WNW TOKIO [33.39, -103.06], 8.4 N TOKIO [33.30, -102.60], 6.7 SE UNION [32.96, -102.15]**

04/13/15 08:00 CST	10K	Flood (due to Heavy Rain)
04/13/15 17:00 CST	0	Source: NWS Storm Survey

**YOAKUM COUNTY --- 8.2 W ALLRED [32.96, -103.06], 9.7 N BRONCO [33.39, -103.06], 15.0 ENE PLAINS YOAKUM CO ARP [33.30, -102.60], 39.4 E DENVER CITY ARPT [32.96, -102.15]**

04/13/15 11:31 CST	0	Flood (due to Heavy Rain)
04/13/15 17:00 CST	0	Source: NWS Storm Survey

Numerous slow moving showers and thunderstorms developed this morning north of an upper low located over the western Permian Basin. One particularly intense band of rainfall trained northwestward across western Terry and eastern Yoakum Counties late this morning for nearly three hours. Rainfall totals underneath this band measured as great as seven inches at the Tokio (Terry County) COOP gin. The NWS Lubbock regional hydrologist surveyed much of the area later that afternoon and documented widespread flooding of playa lakes, fields and some roads. Farm-to-Market Road 1780 south of the town of Tokio was closed at the Sulphur Springs Creek crossing due to water estimated up to three feet deep. Asphalt along this creek crossing was peeled away.



## Storm Data and Unusual Weather Phenomena - April 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<i>Flooding of FM Road 1780 south of Tokio, TX at the Sulphur Springs Creek crossing. Asphalt was peeled away. Photo courtesy of John Lipe.</i>				
<b>DICKENS COUNTY --- 10.0 NW SPUR [33.58, -100.97], DICKENS [33.62, -100.83]</b>				
	04/16/15 15:45 CST	0		Hail (1.75 in)
	04/16/15 15:45 CST	0		Source: Law Enforcement
Law enforcement and the public reported hail up to the size of golf balls in and to the west of Dickens.				
<b>DICKENS COUNTY --- 3.0 N DICKENS [33.66, -100.83]</b>				
	04/16/15 15:50 CST	0		Hail (0.75 in)
	04/16/15 15:50 CST	0		Source: Trained Spotter
<b>MOTLEY COUNTY --- MATADOR [34.02, -100.82]</b>				
	04/16/15 16:24 CST	0		Hail (1.75 in)
	04/16/15 16:35 CST	0		Source: Emergency Manager
Both the emergency manager for Motley County and Matador fire department reported hail to the size of golf balls in the city of Matador.				
<b>LYNN COUNTY --- O'DONNELL [32.97, -101.83]</b>				
	04/16/15 18:55 CST	0		Hail (1.75 in)
	04/16/15 18:55 CST	0		Source: Public
A citizen reported hail to the size of golf balls in O'Donnell.				
<b>LYNN COUNTY --- TAHOKA [33.18, -101.78]</b>				
	04/16/15 19:17 CST	0		Hail (1.50 in)
	04/16/15 19:17 CST	0		Source: Trained Spotter
A trained spotter reported hail up to the size of ping pong balls in Tahoka.				
<b>KENT COUNTY --- JAYTON [33.25, -100.58]</b>				
	04/16/15 20:15 CST	0		Hail (1.00 in)
	04/16/15 20:15 CST	0		Source: Law Enforcement
The Sheriff's office in Kent County reported hail up to the size of quarters in Jayton.				
<b>LUBBOCK COUNTY --- 3.0 WNW LUBBOCK AIRPARK [33.49, -101.87]</b>				
	04/16/15 23:52 CST	0		Hail (1.00 in)
	04/16/15 23:52 CST	0		Source: Broadcast Media
Local media reported hail up to the size of quarters near 98th and University Avenue in Lubbock.				
<b>STONEWALL COUNTY --- 1.0 N PEACOCK [33.19, -100.40]</b>				
	04/17/15 09:39 CST	0		Hail (0.88 in)
	04/17/15 09:39 CST	0		Source: Unknown
A slow moving upper level system near the Four-Corners region produced isolated to scattered thunderstorms on several consecutive days over the South Plains and Rolling Plains of West Texas. On the evening of the 16th many thunderstorms became severe. Most of this activity took place from mid-afternoon through mid-evening along and east of a dryline. During the overnight hours, a pacific cold front overtook the dryline and produced linear type thunderstorms. Although this second batch of storms was generally not severe, one cluster of thunderstorms did produce quarter size hail in Lubbock early on the morning of the 17th.				
<b>SWISHER COUNTY --- 0.9 NW HAPPY [34.74, -101.86], 4.0 NNW TULIA [34.58, -101.80]</b>				
	04/22/15 17:19 CST	1.50M		Hail (2.75 in)
	04/22/15 18:07 CST	2.50M		Source: Amateur Radio

## Storm Data and Unusual Weather Phenomena - April 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
----------	-----------	-------------------	---------------------	------------------------

A slow-moving high precipitation supercell produced copious amounts of damaging hail across northern Swisher County with some hailstones as large as baseball size in Happy. A 12-mile stretch of Interstate 27 from Happy to north of Tulia was covered in hail up to six inches deep. In addition to damaging roofs of homes and businesses, intense straight line winds in the rear flank downdraft of the supercell carried hail sideways which shattered many north and west facing windows. Countless vehicles along Interstate 27 suffered broken windows and significant hail dents. It is estimated that 500 acres of winter wheat were flattened by this barrage of hail, wind and torrential rains with 40 percent of the winter wheat crop suffering lesser degrees of damage. Preliminary combined monetary losses are estimated at \$4M.

---

**SWISHER COUNTY --- 0.9 NW HAPPY [34.74, -101.86], 2.2 NE TULIA [34.55, -101.74]**

04/22/15 17:25 CST	10K	Thunderstorm Wind (MG 58 kt)
04/22/15 17:55 CST	0	Source: Fire Department/Rescue

Along with very large hail, damaging rear flank downdraft winds from a high precipitation supercell struck many areas in northern Swisher County. A Texas Tech University West Texas mesonet northeast of Tulia measured a wind gust to 67 mph at 1755 CST. Much of the monetary damage to buildings, vehicles and winter wheat was from the combination of wind and very large hail, although some power lines were downed in the town of Happy as reported by Fire Department officials. The majority of property losses are included in the hail event entry for Swisher County.

---

**HALE COUNTY --- 4.1 E HALFWAY [34.19, -101.88], 1.3 WSW PLAINVIEW [34.19, -101.72]**

04/22/15 18:01 CST	0.25M	Hail (1.75 in)
04/22/15 18:32 CST	0	Source: Public

A swath of hail ranging in size from nickel to golf ball size fell from west of Plainview east across the city. Damage was generally minor and consisted mostly of vehicle dents, though some homes and businesses suffered damage to roof shingles. Very little wind accompanied the hail.

---

**BRISCOE COUNTY --- 3.8 SW SILVERTON [34.43, -101.35], 7.4 NW QUITAQUE [34.44, -101.15], 6.5 S EDGIN [34.23, -101.08], 8.6 S WHITELEY [34.23, -101.33]**

04/22/15 18:30 CST	0	Flood (due to Heavy Rain)
04/22/15 21:30 CST	0	Source: NWS Storm Survey

The NWS Lubbock regional hydrologist conducted a flood survey from torrential rains that fell across Briscoe, Floyd and Motley Counties. Rainfall rates from a high precipitation supercell were measured just above one half inch in five minutes with many locations receiving two to three inches of rain in 30 minutes or less. Despite many roads being temporarily impassable from a few feet of water, damage was not observed.

---

**FLOYD COUNTY --- 13.7 E SOUTH PLAINS [34.23, -101.08], 15.4 ENE SOUTH PLAINS [34.28, -101.06]**

04/22/15 18:52 CST	10K	Hail (2.00 in)
04/22/15 19:02 CST	0	Source: Fire Department/Rescue

Fire department officials and storm spotters estimated hail to hen egg size. Damage was reported to storm spotter vehicles, some of which lost windshields.

---

**FLOYD COUNTY --- 3.5 WNW AIKEN [34.14, -101.56], 3.4 WNW AIKEN [34.14, -101.56]**

04/22/15 18:53 CST	0	Tornado (EF0, L: 0.09 mi , W: 50 yd)
04/22/15 18:54 CST	0	Source: NWS Employee

Several storm spotters observed a brief tornado over open land about two miles west of Lockney. Detailed video from a storm chaser indicated this tornado was preceded by a well-defined rotating wall cloud. No damage survey was conducted as this tornado remained over open land.

---

**FLOYD COUNTY --- 7.7 S EDGIN [34.21, -101.06], 16.1 ESE EDGIN [34.23, -100.82], 30.4 ENE DOUGHERTY [34.10, -100.59], 13.1 ENE DOUGHERTY [34.03, -100.89]**

04/22/15 19:00 CST	0	Flood (due to Heavy Rain)
04/22/15 22:00 CST	0	Source: NWS Storm Survey

The NWS Lubbock regional hydrologist conducted a flood survey from torrential rains that fell across Briscoe, Floyd and Motley Counties. Rainfall rates from a high precipitation supercell were measured just above one half inch in five minutes with many locations receiving two to three inches of rain in 30 minutes or less. Despite many roads being temporarily impassable from a few feet of water, damage was not observed.

---

**MOTLEY COUNTY --- 0.9 NW FLOMOT [34.23, -100.99], 2.8 N MATADOR [34.06, -100.82]**

04/22/15 19:15 CST	0.15M	Hail (1.75 in)
04/22/15 19:30 CST	0	Source: Fire Department/Rescue

Storm spotters and fire department officials from Matador reported a swath of large hail up to golf ball size accompanied by destructive downburst winds. The wind-driven hail damaged dozens of vehicles, broke some north-facing windows to homes and businesses in and near Matador, and caused varying degrees of damage to rooftops.

## Storm Data and Unusual Weather Phenomena - April 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
----------	-----------	----------------------	------------------------	------------------------

---

**MOTLEY COUNTY --- 3.7 ENE WHITEFLAT [34.12, -100.82], 2.0 NW WHITEFLAT [34.12, -100.91], 3.6 WNW MATADOR [34.04, -100.88], 3.5 ENE MATADOR [34.04, -100.76]**

	04/22/15 19:15 CST	0		Flood (due to Heavy Rain)
	04/22/15 23:00 CST	0		Source: Emergency Manager

The Motley County emergency manager reported water over State Highway 70 north of Matador with several secondary roads impassable from high water.

---

**MOTLEY COUNTY --- MATADOR [34.02, -100.82], 3.0 NNW SUMMIT [34.01, -100.65]**

	04/22/15 19:15 CST	20K		Thunderstorm Wind (EG 61 kt)
	04/22/15 19:30 CST	0		Source: Fire Department/Rescue

Downburst winds in the rear flank downdraft of a supercell caused scattered wind damage in Matador and also overturned a semi-truck on US Highway 62 east of Matador. The driver was not injured. Wind damage in and around Matador consisted of a portion of a roof removed from a house, several large trees downed and some fallen power lines.

---

**COTTLE COUNTY --- 3.5 ENE NARCISSO [34.01, -100.41], 4.6 W CHALK [33.88, -100.30]**

	04/22/15 20:06 CST	0		Hail (1.75 in)
	04/22/15 20:33 CST	0		Source: Emergency Manager

A swath of hail as large as golf ball size fell west to south of Paducah and covered the ground completely. Damage, if any, was not known.

---

**KING COUNTY --- 4.3 NNW FINNEY [33.84, -100.40]**

	04/22/15 20:10 CST	30K		Hail (2.75 in)
	04/22/15 20:10 CST	0		Source: COOP Observer

A COOP observer reported golf ball to baseball size hail covering the ground. Several vehicles were damaged and lost windows or windshields.

---

**KING COUNTY --- 0.6 E GUTHRIE 6666 ARPT [33.63, -100.34]**

	04/22/15 21:20 CST	20K		Thunderstorm Wind (EG 65 kt)
	04/22/15 21:20 CST	0		Source: Public

A roof was blown off a well-constructed barn at the Four Sixes Ranch.

Early this morning, a series of outflow boundaries moved south across the southern Texas Panhandle and much of the Rolling Plains. The most organized of these boundaries would eventually retreat north before stalling from near Hereford (Deaf Smith County, WFO AMA) southeast to Paducah (Cottle County). This boundary provided the focus for an intense and long-lived supercell that developed west of Hereford by mid-afternoon. This supercell proceeded to move southeast and impact areas from Happy and Tulia (Swisher County) southeast to Silverton (Briscoe County), Matador (Motley County) and Grow (King County) with destructive hail, downburst winds and torrential rainfall rates of one half inch in five minutes. By early evening, a second supercell developed west of Plainview (Hale County) and crawled eastward accompanied by hail up to golf ball size and a brief tornado over open land near Lockney (Floyd County).

## Storm Data and Unusual Weather Phenomena - April 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
----------	-----------	-------------------	---------------------	------------------------



*A brief EF0 tornado over open land near Lockney, TX. Video still courtesy of Al Hardin.*

---

**MOTLEY COUNTY --- 0.7 S NORTHFIELD [34.27, -100.60]**

04/24/15 12:10 CST	0		Thunderstorm Wind (MG 51 kt)
04/24/15 12:10 CST	0		Source: Mesonet

Measured by a Texas Tech University West Texas mesonet near Northfield.

---

**CHILDRESS COUNTY --- 1.3 W CHILDRESS [34.42, -100.22], 0.6 NNE CHILDRESS [34.43, -100.20]**

04/24/15 12:30 CST	50K		Thunderstorm Wind (EG 52 kt)
04/24/15 12:33 CST	0		Source: Law Enforcement

Law enforcement reported scattered roof and tree damage in the city of Childress. Some roof debris was blocking portions of Main Street. Winds gusted to 56 mph and 57 mph at the nearby Childress airport and Texas Tech University West Texas mesonet, respectively.

---

**(TX-Z039) YOAKUM, (TX-Z041) LYNN**

04/24/15 14:15 CST	0		High Wind (MAX 51 kt)
04/24/15 14:20 CST	0		

Late this morning, scattered to numerous thunderstorms erupted over the central South Plains ahead of a vigorous mid-level dry slot. After producing pea size hail and minor street flooding in southwest Lubbock, these storms marched into the Rolling Plains and the far southeast Texas Panhandle. Shortly after 1200 CST, the northern end of these storms intensified into a small bow echo near Northfield (Motley County) where a severe wind gust to 59 mph occurred. This bow echo raced northeast at 50 mph and produced scattered damage to roofs and trees in the city of Childress. Farther west, very dry air and deep mixing west of a dryline helped carry some high winds to the surface over portions of the southern South Plains. No wind damage was reported with any of these high wind gusts, however sustained winds around 30 mph did result in some blowing dirt and minor visibility reductions. The overall lack of drought conditions and a healthy green-up of grasses helped mitigate both blowing dirt and wildfire impacts.

---

**KING COUNTY --- 3.4 NE GUTHRIE [33.65, -100.29]**



## Storm Data and Unusual Weather Phenomena - April 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	04/26/15 13:15 CST		0	Hail (1.75 in)
	04/26/15 13:15 CST		0	Source: Storm Chaser

A storm chaser photographed hail around golf ball size. Damage was unknown. Time and location were estimated.

---

### COTTLE COUNTY --- 9.0 N PADUCAH [34.15, -100.30]

04/26/15 16:19 CST	0	Hail (1.00 in)
04/26/15 16:19 CST	0	Source: Fire Department/Rescue

The Paducah Fire Department reported hail up to the size of quarters north of Paducah. No damage was reported.

---

### CHILDRESS COUNTY --- KIRKLAND [34.38, -100.07]

04/26/15 17:30 CST	0	Hail (0.75 in)
04/26/15 17:30 CST	0	Source: Law Enforcement

Scattered thunderstorms erupted over the Rolling Plains and eastern South Plains on the afternoon of the 26th along a stalled out cold front. These storms were able to blossom in deeper moisture north of the frontal boundary. A few of these storms became severe over the Rolling Plains, producing hail to the size of golf balls.