

## Storm Data and Unusual Weather Phenomena - May 2021

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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### OKLAHOMA, Panhandle

#### (OK-Z001) CIMARRON

	05/01/21 00:00 CST	0		Drought
	05/25/21 12:00 CST	0		

An 18 month stretch of Severe (D2) to at times Exceptional Drought (D3) across the far western Oklahoma Panhandle finally came to an end in May 2021. The drought, which began in November of 2019, ended in a month where 3 to 6 inches of rain occurred across the county and the higher amounts fell across the Black Mesa which was the area that had been hardest hit by the drought. These amounts were double to tripple the normal values for the month of May. The heaviest rain events led to significant flooding of the Cimarron River and South Carrizo Creek.

#### BEAVER COUNTY --- 4.1 NNW LOGAN [36.62, -100.26]

	05/03/21 15:40 CST	0		Hail (0.88 in)
	05/03/21 15:40 CST	0		Source: Trained Spotter

Scattered thunderstorms formed in the early afternoon on the 3rd of May over the eastern Texas Panhandle. The storms moved northeast into the Oklahoma Panhandle where the storms hit an environment conducive to forming hail. There was one report of nickle sized hail with a storm west of Slapout with this event.

#### TEXAS COUNTY --- 1.3 ENE GUYMON [36.69, -101.46]

	05/07/21 15:03 CST	0		Thunderstorm Wind (EG 52 kt)
	05/07/21 15:03 CST	0		Source: Public

A large tree was reported down in the cemetery.

On Friday May 7th, thunderstorms formed over New Mexico and moved east into the combined Oklahoma and Texas Panhandle as an upper level disturbance worked around a ridge positioned across southern and central New Mexico. Marginal instability combined with dry air near the surface below the storm bases provided an environment mainly conducive for severe wind gusts. The Oklahoma Panhandle was impacted by the northern edge of the clusters of storms, but the vast majority of the stronger storms tracked south across the Texas Panhandle.

#### (OK-Z001) CIMARRON

	05/08/21 18:00 CST	0		High Wind (MAX 57 kt)
	05/08/21 18:00 CST	0		

On May 8th a strong late season cold front moved into the combined Oklahoma and Texas Panhandle from the north. A few isolated ASOS and mesonet sites measured gusts upwards of 60 mph for a breif period.

#### TEXAS COUNTY --- 4.6 ESE GUYMON [36.66, -101.40]

	05/15/21 21:00 CST	0		Hail (1.00 in)
	05/15/21 21:00 CST	0		Source: Trained Spotter

Upper level disturbances rotating around a large upper level low positioned across California and Nevada led to generation of storms in New Mexico and mainly western portions of the Panhandles. With weak wind shear in place, storms were not very organized, but instability was sufficient to produce a few severe storms in the area. The slow moving storms also led to some localized heavy rainfall and minor street flooding in some urban areas.

#### CIMARRON COUNTY --- 2.6 ESE BOISE CITY [36.71, -102.48]

	05/17/21 19:15 CST	0		Thunderstorm Wind (MG 51 kt)
	05/17/21 19:15 CST	0		Source: Mesonet

#### TEXAS COUNTY --- 0.9 NW (GUY)GUYMON MUNI ARP [36.69, -101.51]

	05/17/21 20:43 CST	0		Thunderstorm Wind (MG 52 kt)
	05/17/21 20:43 CST	0		Source: ASOS

A slow moving upper level storm system contributed to development of severe storms for a third consecutive day as it moved east to the Four Corners region by May 17th. With the system drawing nearer, wind shear and instability increased from what occurred with the previous days events and so did storm organization and strength. A line of thunderstorms that developed near a surface trough in New Mexico moved into the Oklahoma and Texas Panhandles in the late afternoon and evening hours. Several storms produced severe hail and wind especially across the southern Texas Panhandle. A few very powerful storms produced hail in excess of 2 inches in diameter and there was also a breif, weak tornado reported in open country across the southwest Texas Pahandle. Impacts reported in the

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Oklahoma Panhandle were mainly due to severe wind gusts with storms in the area.

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**CIMARRON COUNTY --- 16.0 N BOISE CITY [36.96, -102.56]**

05/18/21 12:44 CST			0	Hail (1.00 in)
05/18/21 12:44 CST			0	Source: Public

On May 18th, a slow moving upper level low pressure system which had been responsible for severe storms May 15 through May 17th, moved east into northern New Mexico. The environment was just unstable enough to produce a few severe storms in the area with large hail and severe wind gusts. These storms also produced some heavy rain with nuisance flooding in some areas. A few automated weather equipment across the Panhandles measured over an inch of rain with some of these down pours.

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**BEAVER COUNTY --- BRYANS CORNER [36.62, -100.82]**

05/26/21 17:42 CST			0	Hail (0.88 in)
05/26/21 17:42 CST			0	Source: Emergency Manager

Accumulating hail was occurring at time of report.

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**BEAVER COUNTY --- 2.8 N ELMWOOD [36.66, -100.52]**

05/26/21 18:14 CST			0	Hail (1.25 in)
05/26/21 18:14 CST			0	Source: Emergency Manager

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**BEAVER COUNTY --- 7.2 E ELMWOOD [36.62, -100.39]**

05/26/21 19:11 CST			0	Thunderstorm Wind (MG 54 kt)
05/26/21 19:11 CST			0	Source: Mesonet

An upper level storm system, initially over the southwestern United States, approached the area and sent various disturbances across the region. With ample moisture, instability, and increased wind shear, thunderstorms initiated along a dryline and progressed towards the northeast and east. A couple of the storms became supercells, which were the cause of the 4 reported tornadoes on this date across the Texas Panhandle as well as very large hail in some instances. While the majority of the severe storms remained just south in the Texas Panhandle, there were some severe storm reports from a storm that crossed into Beaver County from the southwest.

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**CIMARRON COUNTY --- 4.2 N KENTON [36.96, -102.97]**

05/29/21 19:25 CST			0	Hail (2.00 in)
05/29/21 19:25 CST			0	Source: Storm Chaser

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**CIMARRON COUNTY --- 3.9 E KENTON [36.91, -102.90]**

05/29/21 19:40 CST			0	Hail (2.50 in)
05/29/21 19:40 CST			0	Source: Trained Spotter

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**CIMARRON COUNTY --- 6.1 SE KENTON [36.85, -102.88]**

05/29/21 19:45 CST			0	Hail (2.00 in)
05/29/21 19:45 CST			0	Source: Storm Chaser

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**CIMARRON COUNTY --- 4.3 NNE KENTON [36.96, -102.95]**

05/29/21 19:47 CST			0	Hail (1.75 in)
05/29/21 19:47 CST			0	Source: Emergency Manager

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**CIMARRON COUNTY --- 5.0 E KENTON [36.90, -102.88]**

05/29/21 20:05 CST			0	Hail (2.75 in)
05/29/21 20:05 CST			0	Source: Trained Spotter

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**CIMARRON COUNTY --- 5.8 SSE REGNIER [36.90, -102.82]**

05/29/21 20:26 CST			0	Hail (2.50 in)
05/29/21 20:26 CST			0	Source: Trained Spotter

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**CIMARRON COUNTY --- 6.2 N KENTON [36.99, -102.97]**

05/29/21 20:42 CST			0	Hail (2.50 in)
05/29/21 20:42 CST			0	Source: Public

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**CIMARRON COUNTY --- 7.4 NW BOISE CITY [36.81, -102.61]**

## Storm Data and Unusual Weather Phenomena - May 2021

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/29/21 21:47 CST		0	Hail (2.75 in)
	05/29/21 21:47 CST		0	Source: Trained Spotter

**CIMARRON COUNTY --- 10.4 N BOISE CITY [36.88, -102.52]**

05/29/21 21:51 CST	0	Hail (0.75 in)
05/29/21 21:51 CST	0	Source: Storm Chaser

Isolated supercell thunderstorms developed on the higher terrain in New Mexico and Colorado to the west in the afternoon hours and tracked east to southeast toward the western Panhandles. During the evening hours, a supercell thunderstorm tracked into the western Oklahoma Panhandle from southeastern Colorado aided by moderate levels of instability and weak to moderate wind shear. Despite contemporaneous reports from multiple chasers that a large tornado was in progress, following the viewing of later video and picture evidence, the collection of testimony from other chasers in the area, and the completion of a damage survey that found no damage, it was concluded that no tornado occurred with this supercell and the reports were likely associated with a large and impressive scud cloud seen from a distance. While no tornado occurred, this supercell was a prolific hail producer, with multiple reports of baseball size hail. Given the sparse road network, it is possible that the largest hailstones generated by this storm were not located by storm spotters. Later that night, a robust line of storms entered the western Texas Panhandle from New Mexico, with an 86 mph wind gust recorded by the West Texas Mesonet site southwest of Romero before the line weakened further east.

**CIMARRON COUNTY --- 3.4 WSW FELT [36.56, -102.84], 3.3 WSW FELT [36.56, -102.84]**

05/30/21 16:34 CST	0	Tornado (EFU, L: 0.12 mi , W: 20 yd)
05/30/21 16:35 CST	0	Source: Storm Chaser

Multiple storm chasers reported and recorded video of a very brief tornado a couple miles west of Felt. The tornado remained in open grassland and did not encounter any damage indicators. Path was estimated based on reports and video.

**CIMARRON COUNTY --- 3.1 W FELT [36.57, -102.84], 3.0 W FELT [36.57, -102.83]**

05/30/21 16:39 CST	0	Tornado (EFU, L: 0.11 mi , W: 1 yd)
05/30/21 16:40 CST	0	Source: Storm Chaser

Multiple storm chasers reported and recorded video of a very brief tornado a couple miles west of Felt. The tornado remained in open grassland and did not encounter any damage indicators. Path was estimated based on reports and video.

**CIMARRON COUNTY --- 5.2 WSW FELT [36.55, -102.87]**

05/30/21 16:41 CST	0	Hail (1.75 in)
05/30/21 16:41 CST	0	Source: Storm Chaser

**CIMARRON COUNTY --- 3.1 W FELT [36.57, -102.84], 3.1 W FELT [36.58, -102.83]**

05/30/21 16:43 CST	0	Tornado (EFU, L: 0.12 mi , W: 1 yd)
05/30/21 16:44 CST	0	Source: Storm Chaser

Multiple storm chasers reported and recorded video of a very brief tornado a couple miles west of Felt. The tornado remained in open grassland and did not encounter any damage indicators. Path was estimated based on reports and video.

**CIMARRON COUNTY --- 1.1 S FELT [36.55, -102.78], 1.1 SSE FELT [36.55, -102.77]**

05/30/21 16:56 CST	0	Tornado (EFU, L: 0.44 mi , W: 1 yd)
05/30/21 16:58 CST	0	Source: Storm Chaser

Multiple storm chasers reported and recorded video of a brief cone tornado just southeast of Felt. The tornado remained in open grassland and did not encounter any damage indicators.

**CIMARRON COUNTY --- 2.2 NE FELT [36.59, -102.75]**

05/30/21 17:00 CST	0	Hail (1.25 in)
05/30/21 17:00 CST	0	Source: Storm Chaser

**CIMARRON COUNTY --- 3.5 NE FELT [36.61, -102.74], 3.7 NE FELT [36.61, -102.73]**

## Storm Data and Unusual Weather Phenomena - May 2021

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/30/21 17:02 CST		0	Tornado (EFU, L: 0.31 mi , W: 1 yd)
	05/30/21 17:03 CST		0	Source: Storm Chaser

Multiple storm chasers reported and recorded video of a very brief tornado a around 4 miles northeast of Felt. This tornado was within the original storm mesocyclone near Highway 412. The storm briefly had two tornadoes as a new tornado developed on the south side of the storm and became the dominant circulation. The tornado remained in open grassland and did not encounter any damage indicators. Path was estimated based on reports and video.

### CIMARRON COUNTY --- 5.3 SE FELT [36.53, -102.70], 7.0 ESE FELT [36.55, -102.66]

	05/30/21 17:02 CST		0	Tornado (EFU, L: 2.87 mi , W: 50 yd)
	05/30/21 17:15 CST		0	Source: Storm Chaser

Multiple storm chasers reported and recorded video of a tornado around 17 miles southwest of Boise City. This tornado began at the same time as one to the north within the original circulation. The tornado remained in open grassland and did not encounter any damage indicators.

### CIMARRON COUNTY --- 7.1 SSW BOISE CITY [36.63, -102.55]

	05/30/21 17:27 CST		0	Hail (1.25 in)
	05/30/21 17:27 CST		0	Source: Storm Chaser

### CIMARRON COUNTY --- 9.7 S BOISE CITY [36.59, -102.54], 10.1 S BOISE CITY [36.58, -102.54]

	05/30/21 17:44 CST		0	Tornado (EFU, L: 0.47 mi , W: 30 yd)
	05/30/21 17:45 CST		0	Source: NWS Storm Survey

Multiple storm chasers reported and recorded video of a brief tornado around 10 miles south of Boise City. The tornado remained in open grassland and did not encounter any damage indicators.

**Persistent low level winds out of the east brought substantial moisture to the region and contributed to severe supercell thunderstorm development as an upper level disturbance approached from the southwest. Large hail, severe wind gusts, flooding rains and tornadoes all occurred on this day. An nearly stationary outflow boundary provided strong turning in the low level wind fields that created additional wind shear which was instrumental in development of several tornadoes with the supercells that tracked near or along the boundary. A total of 13 tornadoes were confirmed in what turned out to be the highest tornado producing event of the season, although most of these were very short lived, weak, and produced little damage and/or impact. Seven tornadoes occurred in Cimarron County, mainly in the vicinity of Felt, all of which occurred over open land but were well documented by chasers. Six tornadoes occurred in Dallam and Sherman Counties, all of which were rated EF-0 or were unable to be rated due to a lack of damage indicators. Additionally, heavy rainfall occurred in many locations given the large amount of moisture in place, with flash flooding occurring in Amarillo, Canyon, and Wellington. Some locations received more than 4 inches of rainfall.**

## TEXAS, North Panhandle

### (TX-Z018) ARMSTRONG

	05/01/21 00:00 CST		0	Drought
	05/25/21 12:00 CST		0	

By the end of May 2021, portions of the southwest Texas Panhandle had been in severe or worse drought since June of 2020 when the nearly year-long drought began. For much of that period, the far southwest Texas Panhandle experienced Extreme (D3) to Exceptional Drought (D4). Conditions had been slowly improving since March of 2021 and this trend continued into May. Some areas of the Texas and Oklahoma Panhandle experienced a significantly wet period in May with 150-300 percent of normal rainfall and this continued to greatly improve drought categories for much of the region. The one exception to the surplus occurred in the far southwest Texas Panhandle where only near to slightly below normal rainfall occurred and this limited the drought improvement in these areas.

### (TX-Z016) DEAF SMITH, (TX-Z017) RANDALL COUNTY

	05/01/21 00:00 CST		0	Drought
	05/31/21 23:59 CST		0	

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By the end of May 2021, portions of the southwest Texas Panhandle had been in severe or worse drought since June of 2020 when the nearly year-long drought began. For much of that period, the far southwest Texas Panhandle experienced Extreme (D3) to Exceptional Drought (D4). Conditions had been slowly improving since March of 2021 and this trend continued into May. Some areas of the Texas and Oklahoma Panhandle experienced a significantly wet period in May with 150-300 percent of normal rainfall and this continued to greatly improve drought categories for much of the region. The one exception to the surplus occurred in the far southwest Texas Panhandle where only near to slightly below normal rainfall occurred and this limited the drought improvement in these areas.

**LIPSCOMB COUNTY --- 7.3 WSW HIGGINS [36.08, -100.14]**

05/05/21 21:21 CST			0	Hail (1.00 in)
05/05/21 21:21 CST			0	Source: NWS Employee

Hail stones ranged from 0.5 to 1 inch and Highway 60 was covered in hail.

On Wednesday May 5th, an upper level disturbance moved southeast from southeast Colorado and southwest Kansas across the northeast combined Panhandles and western Oklahoma. This created thunderstorms that moved southeast across the eastern Oklahoma Panhandle and northeast Texas Panhandle. While instability appeared somewhat marginal for severe storms, one of the storms did become severe and produced quarter sized hail in Lipscomb County.

**OLDHAM COUNTY --- 28.4 NW ADRIAN [35.58, -103.01]**

05/07/21 16:05 CST			0	Thunderstorm Wind (MG 50 kt)
05/07/21 16:05 CST			0	Source: Mesonet

**HARTLEY COUNTY --- (DHT)DALHART MUNI AR [36.02, -102.55]**

05/07/21 16:13 CST			0	Thunderstorm Wind (MG 57 kt)
05/07/21 16:13 CST			0	Source: ASOS

**RANDALL COUNTY --- LAKE TANGLEWOOD [35.06, -101.78]**

05/07/21 16:56 CST			0	Thunderstorm Wind (EG 61 kt)
05/07/21 16:56 CST			0	Source: Trained Spotter

Tree down on the north shore drive of Lake Tanglewood.

**HUTCHINSON COUNTY --- 0.6 E HUTCHINSON CO ARPT [35.70, -101.39]**

05/07/21 17:13 CST			0	Thunderstorm Wind (MG 56 kt)
05/07/21 17:13 CST			0	Source: ASOS

**HUTCHINSON COUNTY --- 1.4 N STINNETT [35.84, -101.45]**

05/07/21 17:13 CST			0	Thunderstorm Wind (MG 56 kt)
05/07/21 17:13 CST			0	Source: Mesonet

**HUTCHINSON COUNTY --- 1.4 N STINNETT [35.84, -101.45]**

05/07/21 17:20 CST			0	Thunderstorm Wind (MG 62 kt)
05/07/21 17:20 CST			0	Source: Mesonet

**HUTCHINSON COUNTY --- 9.0 E BORGER [35.66, -101.22]**

05/07/21 17:27 CST			0	Thunderstorm Wind (MG 54 kt)
05/07/21 17:27 CST			0	Source: Mesonet

**ROBERTS COUNTY --- 12.3 WNW CODMAN [35.73, -100.94]**

05/07/21 17:29 CST			0	Hail (1.00 in)
05/07/21 17:29 CST			0	Source: Trained Spotter

Hail was accumulating on HWY 70.

**HUTCHINSON COUNTY --- 0.6 E STINNETT [35.82, -101.44]**

05/07/21 17:30 CST			0	Thunderstorm Wind (EG 61 kt)
05/07/21 17:30 CST			0	Source: Trained Spotter

Trained spotter reported tree limbs being snapped off, and ending up 2 to 3 blocks before landing on the ground. Also, power lines are arcing.

## Storm Data and Unusual Weather Phenomena - May 2021

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>GRAY COUNTY --- 3.1 NNW KINGS MILL [35.52, -101.08], 3.2 W PAMPA [35.53, -101.03]</b>				
	05/07/21 17:40 CST		0	Tornado (EF0, L: 3.28 mi , W: 25 yd)
	05/07/21 17:46 CST		0	Source: NWS Storm Survey
<p>The land spout tornado traveling along a fast moving outflow boundary with just weak showers above was captured on a local television station web cam moving across open country just west of Pampa. The tornado remained in open country farm and grasslands for 6 minutes and encountered few damage indicators. It did however cross two power lines and did not produce damage suggesting relatively weak winds before lifting as it reached additional structures just south of Highway 152 on Country Road 4.</p>				
<b>ROBERTS COUNTY --- 0.9 SW MIAMI [35.69, -100.64]</b>				
	05/07/21 17:48 CST		0	Hail (1.00 in)
	05/07/21 17:48 CST		0	Source: Trained Spotter
<p>Spotter reported penny to quarter size hail.</p>				
<b>ROBERTS COUNTY --- 23.9 NW CODMAN [35.90, -101.03]</b>				
	05/07/21 17:48 CST		0	Thunderstorm Wind (MG 50 kt)
	05/07/21 17:48 CST		0	Source: AWOS
<b>GRAY COUNTY --- 1.1 E MC LEAN [35.23, -100.58]</b>				
	05/07/21 18:50 CST		0	Thunderstorm Wind (MG 56 kt)
	05/07/21 18:50 CST		0	Source: Mesonet
<p>On Friday May 7th, thunderstorms formed over New Mexico and moved east into the combined Oklahoma and Texas Panhandle as an upper level disturbance worked around a ridge positioned across southern New Mexico. Marginal instability combined with dry air near the surface below the storm bases provided an environment mainly conducive for severe wind gusts, although some isolated hail reports were also received. Multiple automated weather stations across the area measured thunderstorm wind gusts in excess of 60 mph with the highest measured at 71 mph. There was even a quick moving land spout tornado that formed just west of Pampa, TX on a boundary produced by these storms.</p>				
<b>(TX-Z008) HUTCHINSON</b>				
	05/08/21 21:04 CST		0	High Wind (MAX 51 kt)
	05/08/21 21:39 CST		0	
<p>On May 8th a strong late season cold front moved into the combined Oklahoma and Texas Panhandle from the north. A few isolated ASOS and mesonet sites measured gusts upwards of 60 mph for a brief period.</p>				
<b>DALLAM COUNTY --- 4.5 E DALHART [36.06, -102.44]</b>				
	05/14/21 17:04 CST		0	Hail (1.00 in)
	05/14/21 17:04 CST		0	Source: Trained Spotter
<b>DALLAM COUNTY --- 11.8 S CONLEN [36.06, -102.21]</b>				
	05/14/21 17:17 CST		0	Hail (0.88 in)
	05/14/21 17:17 CST		0	Source: Storm Chaser
<b>OLDHAM COUNTY --- 26.0 NW ADRIAN [35.57, -102.96]</b>				
	05/14/21 17:18 CST		0	Thunderstorm Wind (MG 55 kt)
	05/14/21 17:18 CST		0	Source: Mesonet
<b>OLDHAM COUNTY --- 3.1 WNW WILDORADO [35.22, -102.25]</b>				
	05/14/21 17:38 CST		0	Hail (1.00 in)
	05/14/21 17:38 CST		0	Source: Storm Chaser
<b>MOORE COUNTY --- 2.8 E LAKE MEREDITH [35.65, -101.62]</b>				
	05/14/21 17:48 CST		0	Thunderstorm Wind (MG 59 kt)
	05/14/21 17:48 CST		0	Source: Mesonet
<b>OLDHAM COUNTY --- 4.6 E VEGA [35.24, -102.35]</b>				

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	05/14/21 18:00 CST		0	Thunderstorm Wind (MG 61 kt)
	05/14/21 18:00 CST		0	Source: Mesonet
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<b>HUTCHINSON COUNTY --- 2.9 ENE BORGER [35.68, -101.33]</b>				
	05/14/21 18:01 CST		0	Thunderstorm Wind (MG 54 kt)
	05/14/21 18:01 CST		0	Source: Mesonet
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<b>HUTCHINSON COUNTY --- 4.5 E FRITCH [35.63, -101.52]</b>				
	05/14/21 18:29 CST		0	Thunderstorm Wind (EG 56 kt)
	05/14/21 18:29 CST		0	Source: Trained Spotter
Spotter estimated wind gust of 60 to 70 mph. Also reported a downed tree and power outages.				
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<b>RANDALL COUNTY --- 4.0 SW AMARILLO [35.16, -101.87]</b>				
	05/14/21 18:29 CST		0	Thunderstorm Wind (EG 56 kt)
	05/14/21 18:29 CST		0	Source: Trained Spotter
Spotter reported several tree branches down, that were around 3 inches in diameter.				
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<b>CARSON COUNTY --- 1.8 ESE PANTEX [35.32, -101.54]</b>				
	05/14/21 19:06 CST		0	Thunderstorm Wind (MG 56 kt)
	05/14/21 19:06 CST		0	Source: Other Federal Agency
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<b>CARSON COUNTY --- 1.8 ESE PANTEX [35.32, -101.54]</b>				
	05/14/21 19:45 CST		0	Thunderstorm Wind (MG 57 kt)
	05/14/21 19:45 CST		0	Source: Other Federal Agency
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<b>CARSON COUNTY --- 2.7 NW SKELLYTOWN [35.60, -101.21]</b>				
	05/14/21 19:46 CST		0	Hail (0.75 in)
	05/14/21 19:46 CST		0	Source: Trained Spotter
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<b>CARSON COUNTY --- 1.8 ESE PANTEX [35.32, -101.54]</b>				
	05/14/21 19:52 CST		0	Thunderstorm Wind (MG 59 kt)
	05/14/21 19:52 CST		0	Source: Other Federal Agency
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<b>MOORE COUNTY --- 1.4 S ETTER [36.01, -102.00]</b>				
	05/15/21 20:22 CST		0	Hail (1.25 in)
	05/15/21 20:22 CST		0	Source: Storm Chaser

During the afternoon of the 14th, thunderstorms developed along a surface trough across eastern New Mexico as an upper level disturbance in the westerly flow aloft moved into the area. These storms tracked east and formed a line in the western combined Oklahoma and Texas Panhandles in the evening as they moved into an environment with weak to moderate instability, but relatively weak wind shear. A few stronger individual storms within the line of storms produced hail up to the size of half dollars as well as several wind gusts exceeding 60 mph. The strongest wind gust that was measured was 70 mph.

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<b>MOORE COUNTY --- 3.0 S CACTUS [36.01, -102.00]</b>				
	05/15/21 20:22 CST		0	Hail (1.25 in)
	05/15/21 20:22 CST		0	Source: Storm Chaser
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<b>POTTER COUNTY --- 0.5 SW AMARILLO [35.20, -101.83], 1.1 ESE AMARILLO [35.20, -101.80], 1.3 SE AMARILLO [35.19, -101.80], 0.9 SSW AMARILLO [35.19, -101.83]</b>				
	05/15/21 22:15 CST		0	Flood (due to Heavy Rain)
	05/15/21 23:15 CST		0	Source: NWS Employee

Minor street flooding along the frontage road at I-40 West near the Ross/Osage exit.

Upper level disturbances rotating around a large upper level low positioned across California and Nevada led to generation of storms in New Mexico and mainly western portions of the Panhandles. With weak wind shear in place, storms were not very organized, but instability was sufficient to produce a few severe storms in the area. The slow moving storms also led to some localized heavy rainfall and minor street flooding in some urban areas.

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<b>RANDALL COUNTY --- 16.7 WSW WASHBURN [35.13, -101.87], 13.6 W WASHBURN [35.17, -101.82]</b>				
	05/16/21 15:38 CST		0	Hail (2.00 in)
	05/16/21 16:23 CST		0	Source: NWS Employee
Multiple reports came in between 1538 CST and 1623 CST around south and southwest Amarillo. These reports came from the public, trained spotters, and even NWS employees. The hail sizes range from 1 inch to 2 inches.				
<b>RANDALL COUNTY --- 6.0 WNW TIMBERCREEK CANYON [35.08, -101.92], 5.1 SSW AMARILLO [35.13, -101.85]</b>				
	05/16/21 15:50 CST		0	Hail (1.25 in)
	05/16/21 16:12 CST		0	Source: Trained Spotter
Multiple reports came in from 1550 CST to 1612 CST for hail sizes ranging from 0.75" to 1.25" around southern Amarillo or west to northwest of Timbercreek Canyon. Sources for the reports ranged from public to emergency managers to spotters.				
<b>DEAF SMITH COUNTY --- 10.4 NE SIMMS [35.15, -102.55], 7.9 NE SIMMS [35.10, -102.55]</b>				
	05/16/21 16:46 CST		0	Hail (1.50 in)
	05/16/21 17:06 CST		0	Source: Storm Chaser
<b>RANDALL COUNTY --- CANYON [34.98, -101.92], 3.7 ENE CANYON [35.00, -101.86]</b>				
	05/16/21 17:00 CST		0	Hail (2.00 in)
	05/16/21 17:15 CST		0	Source: NWS Employee
From 1711 CST to 1715 CST multiple reports came in for large hail ranging from 1" to 2" located in Canyon to just northeast of Canyon. Report sources ranged from public to spotters, with a report from an NWS employee as well.				
<b>RANDALL COUNTY --- 3.3 SW TIMBERCREEK CANYON [35.02, -101.86], 3.1 SW TIMBERCREEK CANYON [35.02, -101.86], 3.4 SW TIMBERCREEK CANYON [35.01, -101.86], 3.7 NE CANYON [35.01, -101.87]</b>				
	05/16/21 17:02 CST		0	Flood (due to Heavy Rain)
	05/16/21 18:31 CST		0	Source: Public
Reports received of curb to curb flooding.				
<b>POTTER COUNTY --- 1.5 NNE (AMA)AMARILLO INTL A [35.24, -101.71], 0.9 SE AMARILLO [35.19, -101.81]</b>				
	05/16/21 17:29 CST		0	Hail (1.00 in)
	05/16/21 17:30 CST		0	Source: Official NWS Observations
Right around 1730 CST two reports were made for 1" hail around northeast Amarillo. One of which was an official NWS observation at WFO AMA.				
<b>RANDALL COUNTY --- 5.4 NW CANYON [35.04, -101.98], 2.8 E CANYON [34.98, -101.87]</b>				
	05/16/21 17:37 CST		0	Hail (1.75 in)
	05/16/21 17:44 CST		0	Source: Trained Spotter
From 1737 CST to 1744 CST multiple reports of large hail ranging from 1" to 1.75" were made for areas around Cayon to the northwest through parts of town and ending east of Canyon. Report sources included public and trained spotters.				
<b>RANDALL COUNTY --- CANYON [34.98, -101.92]</b>				
	05/16/21 17:45 CST		5K	Thunderstorm Wind (EG 65 kt)
	05/16/21 17:45 CST		0	Source: Fire Department/Rescue
Downed powerlines were reported at 23rd St. and 10th Ave in Canyon.				
<b>DEAF SMITH COUNTY --- 11.8 N MILO CENTER [35.15, -102.40], 9.0 N MILO CENTER [35.11, -102.40]</b>				
	05/16/21 17:47 CST		0	Hail (1.75 in)
	05/16/21 18:02 CST		0	Source: Trained Spotter
From 1747 CST to 1802 CST, multiple reports of large hail ranging from 0.75" to 1.75" came in for an area just south of Vega along HWY 385. Report sources include public and trained spotters.				
<b>RANDALL COUNTY --- 21.4 SW WASHBURN [34.98, -101.87], 19.9 WSW WASHBURN [35.08, -101.91]</b>				
	05/16/21 17:56 CST		0	Hail (2.00 in)
	05/16/21 17:57 CST		0	Source: NWS Employee



## Storm Data and Unusual Weather Phenomena - May 2021

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Around 1756 CST to 1757 CST two reports of hail larger than 1" were made around east Canyon to just south of Amarillo along the I-27 corridor. One report was for 2" hail made by an NWS employee located 3 miles east of Canyon.

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**RANDALL COUNTY --- 1.3 NW CANYON [34.99, -101.94], 3.3 ENE CANYON [34.99, -101.86], 3.1 E CANYON [34.98, -101.86], 0.9 WSW CANYON [34.98, -101.94]**

	05/16/21 18:02 CST		30K	Flash Flood (due to Heavy Rain)
	05/16/21 20:27 CST		0	Source: Fire Department/Rescue

Fire officials reported stranded vehicles and flooded roads along I-27 and HWY 217. Several other reports came in from the public of stranded vehicles as well.

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**RANDALL COUNTY --- 4.8 SE CANYON [34.94, -101.85]**

	05/16/21 18:27 CST		0	Hail (1.25 in)
	05/16/21 18:38 CST		0	Source: Public

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**RANDALL COUNTY --- 3.6 NE UMBARGER [34.99, -102.06]**

	05/16/21 18:44 CST		0	Hail (1.50 in)
	05/16/21 18:44 CST		0	Source: Public

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**DONLEY COUNTY --- 2.9 WNW CLARENDON [34.94, -100.95]**

	05/16/21 18:55 CST		0	Hail (1.25 in)
	05/16/21 18:55 CST		0	Source: Law Enforcement

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**RANDALL COUNTY --- 4.0 NE UMBARGER [34.99, -102.05], 3.6 NE UMBARGER [34.99, -102.06]**

	05/16/21 18:57 CST		0	Hail (1.75 in)
	05/16/21 18:59 CST		0	Source: Public

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**DALLAM COUNTY --- 1.3 ESE PERICO [36.26, -102.83]**

	05/16/21 18:59 CST		0	Hail (1.50 in)
	05/16/21 18:59 CST		0	Source: Storm Chaser

Accumulating hail between pea and dime size, with larger stones up to ping pong ball noted. Area roadway is covered with hail.

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**RANDALL COUNTY --- 2.8 E CANYON [34.98, -101.87], 3.5 N CANYON [35.03, -101.93]**

	05/16/21 19:00 CST		0	Hail (1.50 in)
	05/16/21 19:22 CST		0	Source: NWS Employee

Once again portions of Canyon especially eastern to northern portions received large hail, this time maxing out at 1.5".

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**CARSON COUNTY --- 4.0 WSW WHITE DEER [35.40, -101.24]**

	05/16/21 19:19 CST		0	Hail (0.75 in)
	05/16/21 19:19 CST		0	Source: Storm Chaser

For the second consecutive day, upper level disturbances rotating around a large upper level low positioned across California and Nevada contributed to scattered thunderstorms development across portions of the Panhandles. The late afternoon thunderstorms developed across the western to central Texas Panhandle near surface trough and dry line features in the area. A moderately unstable but weakly sheared environment led to strong to severe storms which produced large hail 1-2" in diameter and damaging winds mainly around the south-central Texas Panhandle. The strongest storms clustered around Canyon, Texas where flooding was also observed.

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**ROBERTS COUNTY --- 27.9 NNW CODMAN [35.99, -101.00]**

	05/17/21 16:14 CST		0	Hail (1.00 in)
	05/17/21 16:14 CST		0	Source: Trained Spotter

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**OLDHAM COUNTY --- 18.7 W BOYS RANCH [35.53, -102.58], 18.6 W BOYS RANCH [35.54, -102.58]**

	05/17/21 17:35 CST		0	Tornado (EFU, L: 0.86 mi , W: 20 yd)
	05/17/21 17:39 CST		0	Source: NWS Storm Survey

The tornado touched down in very rural portions of Oldham county and remained in open prairie grassland with no structures or trees hit and no damage reported. The entire life cycle of the tornado was documented by a local storm spotter.

## Storm Data and Unusual Weather Phenomena - May 2021

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>OLDHAM COUNTY --- 0.9 NE WILDORADO [35.21, -102.19]</b>				
	05/17/21 18:22 CST		0	Hail (1.00 in)
	05/17/21 18:22 CST		0	Source: Trained Spotter
<b>RANDALL COUNTY --- 1.3 ESE PALO DURO CANYON STATE PARK [34.94, -101.65]</b>				
	05/17/21 18:25 CST		0	Hail (2.75 in)
	05/17/21 18:25 CST		0	Source: Public
Hail damaged some vehicles and campers, mainly on the south side of the park. Some hikers reportedly had some minor bumps and bruises from the hail.				
<b>RANDALL COUNTY --- 12.1 SSE CANYON [34.81, -101.87]</b>				
	05/17/21 18:25 CST		0	Hail (1.25 in)
	05/17/21 18:25 CST		0	Source: Trained Spotter
<b>OLDHAM COUNTY --- 1.4 S BOYS RANCH [35.51, -102.25]</b>				
	05/17/21 18:26 CST		0	Hail (1.50 in)
	05/17/21 18:26 CST		0	Source: Trained Spotter
<b>RANDALL COUNTY --- 3.6 NNE UMBARGER [35.00, -102.08]</b>				
	05/17/21 18:26 CST		0	Thunderstorm Wind (MG 51 kt)
	05/17/21 18:26 CST		0	Source: Mesonet
<b>OLDHAM COUNTY --- 1.5 NNW WILDORADO [35.22, -102.21]</b>				
	05/17/21 18:29 CST		0	Hail (1.75 in)
	05/17/21 18:29 CST		0	Source: Public
<b>RANDALL COUNTY --- 1.3 ESE PALO DURO CANYON STATE PARK [34.94, -101.65]</b>				
	05/17/21 18:29 CST		0	Hail (1.25 in)
	05/17/21 18:29 CST		0	Source: Public
<b>OLDHAM COUNTY --- 1.4 S BOYS RANCH [35.51, -102.25]</b>				
	05/17/21 18:36 CST		0	Hail (1.75 in)
	05/17/21 18:36 CST		0	Source: Trained Spotter
<b>RANDALL COUNTY --- 5.1 E LAKE TANGLEWOOD [35.07, -101.69]</b>				
	05/17/21 18:47 CST		0	Hail (2.00 in)
	05/17/21 18:47 CST		0	Source: Public
<b>RANDALL COUNTY --- 3.0 NW PALO DURO CANYON STATE PARK [34.98, -101.70], 2.4 N PALO DURO CANYON STATE PARK [34.98, -101.67], 1.3 NNW PALO DURO CANYON STATE PARK [34.97, -101.67], 2.2 NW PALO DURO CANYON STATE PARK [34.97, -101.70]</b>				
	05/17/21 18:50 CST		20K	Flash Flood (due to Heavy Rain)
	05/17/21 19:30 CST		0	Source: Park/Forest Service
Significant flooding had occurred in the park. Many of the trail bridges located in the park over creeks were washed out and lost. A rockslide caused by the flooding had blocked the main road down into the canyon.				
<b>POTTER COUNTY --- 1.3 ENE (AMA)AMARILLO INTL A [35.23, -101.70]</b>				
	05/17/21 18:54 CST		0	Thunderstorm Wind (MG 56 kt)
	05/17/21 18:54 CST		0	Source: ASOS
<b>POTTER COUNTY --- 2.1 S (AMA)AMARILLO INTL A [35.19, -101.72]</b>				
	05/17/21 18:54 CST		0	Hail (1.25 in)
	05/17/21 18:54 CST		0	Source: Public
<b>POTTER COUNTY --- 2.1 S (AMA)AMARILLO INTL A [35.19, -101.72]</b>				
	05/17/21 18:54 CST		0	Thunderstorm Wind (EG 61 kt)
	05/17/21 18:54 CST		0	Source: Public

## Storm Data and Unusual Weather Phenomena - May 2021

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Broken power poles were reported along with tree limbs around 3" in diameter were broken off of trees.

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**POTTER COUNTY --- 2.1 S (AMA)AMARILLO INTL A [35.19, -101.72]**

05/17/21 19:00 CST	0	Hail (1.25 in)
05/17/21 19:00 CST	0	Source: Public

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**ARMSTRONG COUNTY --- 0.6 E GOODNIGHT [35.03, -101.19]**

05/17/21 19:39 CST	0	Thunderstorm Wind (MG 52 kt)
05/17/21 19:39 CST	0	Source: Mesonet

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**HUTCHINSON COUNTY --- 0.9 NE STINNETT [35.83, -101.44]**

05/17/21 20:03 CST	0	Thunderstorm Wind (MG 59 kt)
05/17/21 20:03 CST	0	Source: Mesonet

A slow moving upper level storm system contributed to development of severe storms for a third consecutive day as it moved east to the Four Corners region by May 17th. With the system drawing nearer, wind shear and instability increased from what occurred with the previous days events and so did storm organization and strength. A line of thunderstorms that developed near a surface trough in New Mexico moved into the Oklahoma and Texas Panhandles in the late afternoon and evening hours. Several storms produced severe hail and wind especially across the southern Texas Panhandle. A few very powerful storms produced hail in excess of 2 inches in diameter and there was also a brief, weak tornado reported in open country across the southwest Texas Panhandle.

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**OLDHAM COUNTY --- 1.1 E ADRIAN [35.27, -102.66]**

05/18/21 15:09 CST	0	Hail (1.00 in)
05/18/21 15:09 CST	0	Source: Public

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**OLDHAM COUNTY --- 3.5 WNW VEGA [35.26, -102.49]**

05/18/21 15:23 CST	0	Hail (1.00 in)
05/18/21 15:23 CST	0	Source: Public

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**OLDHAM COUNTY --- 6.4 WNW WILDORADO [35.22, -102.31]**

05/18/21 15:47 CST	0	Hail (0.75 in)
05/18/21 15:47 CST	0	Source: Public

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**CARSON COUNTY --- 7.4 NE MC BRIDE [35.59, -101.37], 8.5 W SKELLYTOWN [35.59, -101.33], 8.1 ENE MC BRIDE [35.55, -101.33], 6.0 ENE MC BRIDE [35.55, -101.37]**

05/18/21 17:02 CST	0	Flood (due to Heavy Rain)
05/18/21 18:02 CST	0	Source: Public

Curb to curb flooding was reported.

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**HUTCHINSON COUNTY --- 5.6 E BORGER [35.67, -101.28]**

05/18/21 18:12 CST	0	Hail (1.00 in)
05/18/21 18:12 CST	0	Source: Emergency Manager

On May 18th, a slow moving upper level low pressure system which had been responsible for severe storms May 15 through May 17th, moved east into northern New Mexico. The environment was just unstable enough to produce a few severe storms in the area with large hail and severe wind gusts. These storms also produced some heavy rain with nuisance flooding in some areas. A few automated weather equipment across the Panhandles measured over an inch of rain with some of these down pours.

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**COLLINGSWORTH COUNTY --- 6.2 SE WELLINGTON [34.79, -100.14]**

05/19/21 18:07 CST	0	Thunderstorm Wind (MG 50 kt)
05/19/21 18:07 CST	0	Source: Mesonet

Some residual storms associated with a slow moving upper level low pressure system that generated severe storms the days prior, continued to move across the eastern Texas Panhandle on the 19th. Most of these storms just brought some good rainfall to the area as instability was limited but one them did produce a wind gust of 58 mph as a heavy rainfall and downdraft occurred over the mesonet site located near Wellington, Texas.

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**DEAF SMITH COUNTY --- 9.5 WSW WALCOTT [34.89, -102.99]**

05/22/21 13:16 CST	0	Thunderstorm Wind (MG 57 kt)
05/22/21 13:16 CST	0	Source: Mesonet

## Storm Data and Unusual Weather Phenomena - May 2021

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>A developing large scale trough across the western United States provided a favorable pattern for thunderstorm development across the Panhandles. A line of showers and thunderstorms associated with a disturbance rotating around the base of this trough to the west moved into the combined Oklahoma and Texas Panhandles in the early afternoon. The storms were mostly sub-severe, however, one storm over Deaf Smith County did produce a wind gust of 66 mph measured by a West Texas Mesonet located in Bootleg as the gust front moved away from the parent storm and impacte the site.</b>				
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<b>DALLAM COUNTY --- 2.8 S WARE [36.14, -102.70]</b>	05/23/21 21:55 CST	0		Hail (0.75 in)
	05/23/21 21:55 CST	0		Source: Storm Chaser
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<b>A combination of a surface boundary (dryline) and an upper level disturbance created thunderstorms in the northeastern New Mexico and far northwest combined Oklahoma and Texas Panhandles on the night of the 23rd. Instability was sufficient to support some small hail andd one 3/4" hail reported was recieved in Dallam County.</b>				
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<b>OLDHAM COUNTY --- 4.0 E VEGA [35.25, -102.36]</b>	05/25/21 01:38 CST	0		Thunderstorm Wind (MG 50 kt)
	05/25/21 01:38 CST	0		Source: Mesonet
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<b>DEAF SMITH COUNTY --- 12.4 N DAWN [35.10, -102.21]</b>	05/25/21 17:05 CST	0		Hail (1.00 in)
	05/25/21 17:05 CST	0		Source: Public
<hr/>				
<b>RANDALL COUNTY --- 8.3 NNE UMBARGER [35.06, -102.04]</b>	05/25/21 17:54 CST	0		Hail (1.75 in)
	05/25/21 17:54 CST	0		Source: Trained Spotter
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<b>RANDALL COUNTY --- 1.8 NE UMBARGER [34.97, -102.08]</b>	05/25/21 18:28 CST	0		Hail (2.00 in)
	05/25/21 18:28 CST	0		Source: Storm Chaser
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<b>RANDALL COUNTY --- 4.5 ENE UMBARGER [34.98, -102.03]</b>	05/25/21 18:29 CST	0		Hail (1.75 in)
	05/25/21 18:29 CST	0		Source: Storm Chaser
<hr/>				
<b>RANDALL COUNTY --- 4.7 ENE UMBARGER [34.97, -102.02]</b>	05/25/21 18:35 CST	0		Hail (0.75 in)
	05/25/21 18:35 CST	0		Source: Public
<hr/>				
<b>RANDALL COUNTY --- 5.1 SSW CANYON [34.91, -101.95]</b>	05/25/21 18:38 CST	0		Hail (1.00 in)
	05/25/21 18:38 CST	0		Source: Storm Chaser
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<b>RANDALL COUNTY --- 6.3 ESE UMBARGER [34.91, -102.00]</b>	05/25/21 18:48 CST	0		Hail (2.00 in)
	05/25/21 18:48 CST	0		Source: Storm Chaser
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<b>RANDALL COUNTY --- 6.8 SSW CANYON [34.89, -101.97]</b>	05/25/21 18:54 CST	0		Hail (2.00 in)
	05/25/21 18:54 CST	0		Source: Storm Chaser
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<b>OCHILTREE COUNTY --- 8.8 ENE TWICHELL [36.49, -100.58]</b>	05/25/21 19:19 CST	0		Hail (0.75 in)
	05/25/21 19:19 CST	0		Source: Public
<hr/>				
<b>HANSFORD COUNTY --- 0.9 SE SPEARMAN [36.19, -101.19]</b>	05/25/21 19:23 CST	0		Hail (0.88 in)
	05/25/21 19:23 CST	0		Source: Trained Spotter

## Storm Data and Unusual Weather Phenomena - May 2021

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>OCHILTREE COUNTY --- 8.8 ENE TWICHELL [36.49, -100.58]</b>				
	05/25/21 19:24 CST	0		Hail (0.75 in)
	05/25/21 19:24 CST	0		Source: Public
<b>HANSFORD COUNTY --- 9.4 SSW SPEARMAN [36.08, -101.28]</b>				
	05/25/21 19:55 CST	0		Hail (1.75 in)
	05/25/21 19:55 CST	0		Source: Storm Chaser
<b>OCHILTREE COUNTY --- 3.5 SW PERRYTON [36.36, -100.84]</b>				
	05/25/21 20:00 CST	0		Hail (1.00 in)
	05/25/21 20:17 CST	0		Source: Public
Quarter size hail was reported to have lasted for about twenty minutes.				
<b>HANSFORD COUNTY --- 9.5 E MORSE [36.07, -101.31]</b>				
	05/25/21 20:19 CST	0		Hail (2.50 in)
	05/25/21 20:19 CST	0		Source: Trained Spotter
<b>HANSFORD COUNTY --- 10.1 E MORSE [36.06, -101.30]</b>				
	05/25/21 20:20 CST	0		Hail (3.00 in)
	05/25/21 20:20 CST	0		Source: Trained Spotter
<b>OCHILTREE COUNTY --- 0.9 SE PERRYTON [36.39, -100.79]</b>				
	05/25/21 20:23 CST	0		Hail (1.00 in)
	05/25/21 20:23 CST	0		Source: Law Enforcement
<b>HANSFORD COUNTY --- 9.5 E MORSE [36.07, -101.31]</b>				
	05/25/21 20:25 CST	0		Hail (2.75 in)
	05/25/21 20:25 CST	0		Source: Trained Spotter
<b>HANSFORD COUNTY --- 9.5 E MORSE [36.06, -101.31]</b>				
	05/25/21 20:26 CST	0		Hail (2.50 in)
	05/25/21 20:26 CST	0		Source: Storm Chaser
<p>During the afternoon of the 25th, the combination of moderate to high instability and weak to moderate wind shear led to a few isolated supercells that formed along surface boundaries around the Amarillo area and also further northeast around Perryton, Texas as an upper level disturbance approached from the west. While storms were somewhat isolated, they were long lived and tracked across multiple counties producing large hail, the largest of which reached 2 to 3 inches in diameter. While hail was the main threat, there was one wind gust of 58 mph measured in eastern Oldham County early on in the storm development.</p>				
<b>POTTER COUNTY --- 5.1 E (AMA)AMARILLO INTL A [35.21, -101.63]</b>				
	05/26/21 16:16 CST	0		Hail (1.25 in)
	05/26/21 16:16 CST	0		Source: Storm Chaser
<b>HANSFORD COUNTY --- 6.3 NNW GRUVER [36.35, -101.46], 6.2 NNW GRUVER [36.36, -101.42]</b>				
	05/26/21 16:56 CST	0		Tornado (EFU, L: 1.93 mi , W: 20 yd)
	05/26/21 17:00 CST	0		Source: NWS Storm Survey
<p>The track of this tornado was not accessible by road as it moved through a farm field, but was noted on radar and documented by storm chasers in the area.</p>				
<b>CARSON COUNTY --- 3.5 SW PANHANDLE [35.32, -101.43], 0.9 SW PANHANDLE [35.34, -101.39]</b>				
	05/26/21 17:14 CST	0		Hail (1.50 in)
	05/26/21 17:29 CST	0		Source: Storm Chaser
<b>HANSFORD COUNTY --- 6.9 N GRUVER [36.37, -101.39], 6.1 N GRUVER [36.36, -101.39]</b>				

## Storm Data and Unusual Weather Phenomena - May 2021

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/26/21 17:14 CST		0	Tornado (EFU, L: 0.83 mi , W: 20 yd)
	05/26/21 17:15 CST		0	Source: NWS Storm Survey
The same storm that caused the first tornado north of Gruver resulted in a 2nd over the same area about 20 minutes later. This tornado was documented by storm chasers and noted on radar.				
<b>HANSFORD COUNTY --- 5.6 NNE GRUVER [36.34, -101.35]</b>				
	05/26/21 17:28 CST		0	Hail (3.00 in)
	05/26/21 17:28 CST		0	Source: Storm Chaser
<b>HANSFORD COUNTY --- 6.6 NNE GRUVER [36.36, -101.36], 6.8 NNE GRUVER [36.36, -101.35]</b>				
	05/26/21 17:33 CST		0	Hail (2.75 in)
	05/26/21 17:38 CST		0	Source: Storm Chaser
<b>CARSON COUNTY --- 0.7 N PANHANDLE [35.36, -101.38]</b>				
	05/26/21 17:40 CST		0	Hail (2.00 in)
	05/26/21 17:40 CST		0	Source: Public
<b>CARSON COUNTY --- 4.0 SW PANHANDLE [35.31, -101.43], PANHANDLE [35.35, -101.38]</b>				
	05/26/21 17:49 CST		0	Hail (2.50 in)
	05/26/21 17:53 CST		0	Source: Public
<b>POTTER COUNTY --- 0.6 E (AMA)AMARILLO INTL A [35.22, -101.71]</b>				
	05/26/21 17:56 CST		0	Thunderstorm Wind (MG 52 kt)
	05/26/21 17:56 CST		0	Source: ASOS
<b>HANSFORD COUNTY --- 11.1 N SPEARMAN [36.36, -101.18]</b>				
	05/26/21 18:05 CST		0	Thunderstorm Wind (MG 67 kt)
	05/26/21 18:05 CST		0	Source: Mesonet
<b>OCHILTREE COUNTY --- 4.3 NNW WAKA [36.34, -101.07], 5.0 N WAKA [36.35, -101.05]</b>				
	05/26/21 18:34 CST		0	Tornado (EFU, L: 1.34 mi , W: 20 yd)
	05/26/21 18:36 CST		0	Source: NWS Storm Survey
The track of this tornado is not accessible by road, but was noted on radar with it being reported or documented by trained spotters, a sheriff's deputy and storm chasers in the area.				
<b>CARSON COUNTY --- 4.8 N PANHANDLE [35.42, -101.38]</b>				
	05/26/21 18:39 CST		0	Hail (2.50 in)
	05/26/21 18:39 CST		0	Source: Trained Spotter
<b>OCHILTREE COUNTY --- 8.1 WNW PERRYTON [36.43, -100.94]</b>				
	05/26/21 18:45 CST		0	Hail (0.75 in)
	05/26/21 18:45 CST		0	Source: Public
<b>OCHILTREE COUNTY --- 1.5 W PERRYTON [36.40, -100.83], 0.9 ENE PERRYTON [36.40, -100.78], 1.5 SE PERRYTON [36.38, -100.78], 1.9 SW PERRYTON [36.38, -100.83]</b>				
	05/26/21 19:05 CST		0	Flood (due to Heavy Rain)
	05/26/21 19:47 CST		0	Source: Trained Spotter
Spotter reported water over roadways.				
<b>CARSON COUNTY --- 4.0 ENE WHITE DEER [35.46, -101.12], 1.5 SSE SKELLYTOWN [35.55, -101.17]</b>				
	05/26/21 19:11 CST		0	Hail (1.00 in)
	05/26/21 19:14 CST		0	Source: Trained Spotter
<b>OCHILTREE COUNTY --- 1.0 S PERRYTON [36.39, -100.80], 1.2 SE PERRYTON [36.39, -100.79]</b>				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/26/21 19:14 CST		0	Tornado (EF0, L: 0.95 mi , W: 20 yd)
	05/26/21 19:16 CST		0	Source: NWS Storm Survey

A tornado developed over south Perryton, staying on the ground for 2 minutes before lifting from a field just northeast of the local golf course. Indicators of this tornado included damage to a sign, garage doors being blown out, siding off of an apartment building being blown off, a fence being blown over, and broken tree branches. A brief video was also captured of the tornado which helped establish the time of occurrence.

### OCHILTREE COUNTY --- 2.1 N PERRYTON [36.43, -100.80], 3.9 SE TWICHELL [36.39, -100.67]

05/26/21 19:20 CST	0	Hail (2.50 in)
05/26/21 19:23 CST	0	Source: Trained Spotter

### GRAY COUNTY --- 2.8 N PAMPA [35.57, -100.97]

05/26/21 19:47 CST	0	Hail (1.00 in)
05/26/21 19:47 CST	0	Source: Trained Spotter

An upper level storm system, initially over the southwestern United States, approached the area and sent various disturbances across the region. With ample moisture, instability, and increased wind shear, thunderstorms initiated along a dryline and progressed towards the northeast and east. A couple of the storms became supercells, which were the cause of the 4 reported tornadoes on this date. The only tornado that encountered damage indicators occurred in Perryton. This weak and small tornado received a rating of EF-0 with estimated wind speeds up to 75 mph. The longest tracked tornado, which occurred north of Gruver, was caught on video by multiple storm chasers with a path length approaching 1.9 miles. In addition to the tornadoes, these supercells produced large hail that in some instances were near or exceeded baseball size.

### OLDHAM COUNTY --- 28.4 NW ADRIAN [35.58, -103.01]

05/30/21 00:22 CST	0	Thunderstorm Wind (MG 75 kt)
05/30/21 00:22 CST	0	Source: Mesonet

Isolated supercell thunderstorms developed on the higher terrain in New Mexico and Colorado to the west in the afternoon hours and tracked east to southeast toward the western Panhandles. During the evening hours, a supercell thunderstorm tracked into the western Oklahoma Panhandle from southeastern Colorado aided by moderate levels of instability and weak to moderate wind shear. Despite contemporaneous reports from multiple chasers that a large tornado was in progress, following the viewing of later video and picture evidence, the collection of testimony from other chasers in the area, and the completion of a damage survey that found no damage, it was concluded that no tornado occurred with this supercell and the reports were likely associated with a large and impressive scud cloud seen from a distance. While no tornado occurred, this supercell was a prolific hail producer, with multiple reports of baseball size hail. Given the sparse road network, it is possible that the largest hailstones generated by this storm were not located by storm spotters. Later that night, a robust line of storms entered the western Texas Panhandle from New Mexico, with an 86 mph wind gust recorded by the West Texas Mesonet site southwest of Romero before the line weakened further east due to decreasing instability.

### DALLAM COUNTY --- 9.7 N CHAMBERLAIN [36.27, -102.40], 9.1 WNW CONLEN [36.27, -102.39]

05/30/21 17:13 CST	0	Tornado (EFU, L: 0.82 mi , W: 100 yd)
05/30/21 17:16 CST	0	Source: NWS Storm Survey

The tornado was documented via pictures and video by multiple storm chasers, including NWS employees. It appeared weak, but remained in open country grassland and encountered no damage indicators. Path was estimated based on reports and radar signatures.

### DALLAM COUNTY --- 8.3 WNW CONLEN [36.28, -102.36], 8.0 WNW CONLEN [36.28, -102.36]

05/30/21 17:19 CST	0	Tornado (EFU, L: 0.30 mi , W: 50 yd)
05/30/21 17:20 CST	0	Source: NWS Storm Survey

The tornado was documented via pictures and video by multiple storm chasers, including NWS employees. It appeared weak, but remained in open country grasslands and encountered no damage indicators. The path information was estimated based on reports and radar signatures.

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>DALLAM COUNTY --- 7.5 WNW CONLEN [36.28, -102.35], 7.3 WNW CONLEN [36.28, -102.34]</b>				
	05/30/21 17:21 CST		0	Tornado (EFU, L: 0.32 mi , W: 25 yd)
	05/30/21 17:22 CST		0	Source: NWS Storm Survey
<p>The tornado was documented via pictures and video by multiple storm chasers, including NWS employees. It appeared weak, but remained in open country grassland and encountered no damage indicators. Path was estimated based on reports and radar signatures.</p>				
<b>DALLAM COUNTY --- 7.0 N CONLEN [36.33, -102.25], 7.2 N CONLEN [36.33, -102.24]</b>				
	05/30/21 17:46 CST		0	Tornado (EFU, L: 0.51 mi , W: 100 yd)
	05/30/21 17:48 CST		0	Source: NWS Storm Survey
<p>The tornado was documented via pictures and video by multiple storm chasers, including NWS employees, and was also witnessed by an Emergency Manager. It remained in open country grassland and encountered no damage indicators. Path was estimated based on reports and radar signatures.</p>				
<b>SHERMAN COUNTY --- 5.6 N LAUTZ [36.30, -102.02], 6.0 NNE LAUTZ [36.30, -101.99]</b>				
	05/30/21 18:30 CST		0	Tornado (EFU, L: 1.22 mi , W: 100 yd)
	05/30/21 18:34 CST		0	Source: Storm Chaser
<p>The tornado was documented via pictures and video by multiple storm chasers and local media. It remained in open country grassland and encountered no damage indicators. Path was estimated based on reports and radar signatures.</p>				
<b>SHERMAN COUNTY --- 7.9 NNE LAUTZ [36.32, -101.96]</b>				
	05/30/21 18:41 CST		0	Hail (1.75 in)
	05/30/21 18:41 CST		0	Source: Storm Chaser
<b>SHERMAN COUNTY --- 7.7 NE LAUTZ [36.30, -101.93], 10.3 ESE STRATFORD [36.36, -101.90]</b>				
	05/30/21 18:43 CST		0	Tornado (EF0, L: 4.61 mi , W: 150 yd)
	05/30/21 18:53 CST		0	Source: NWS Storm Survey
<p>Multiple storm chasers recorded a large tornado crossing Highway 15 east of Stratford around 750 pm CDT. The tornado did not damage the power lines along the highway and this was the basis for the EF0 rating. Otherwise the tornado stayed in open country grassland and farmlands and survey team found no damage anywhere along the path which was estimated based on video and radar evidence.</p>				
<b>SHERMAN COUNTY --- 12.4 SSW TEXHOMA [36.33, -101.77]</b>				
	05/30/21 19:13 CST		0	Hail (1.00 in)
	05/30/21 19:13 CST		0	Source: Storm Chaser
<b>RANDALL COUNTY --- 8.2 WSW AMARILLO [35.17, -101.96], 3.1 SW AMARILLO [35.17, -101.85], 4.9 NNW TIMBERCREEK CANYON [35.11, -101.85], 8.9 WNW TIMBERCREEK CANYON [35.11, -101.96]</b>				
	05/30/21 22:34 CST		0	Flash Flood (due to Heavy Rain)
	05/30/21 22:54 CST		0	Source: Public
<p>Street flooding reported on South Coulter near Hollywood Road construction zones.</p>				
<b>POTTER COUNTY --- 2.0 ENE BUSHLAND [35.20, -102.04], 6.6 E BUSHLAND [35.20, -101.96], 6.5 E BUSHLAND [35.18, -101.96], 1.7 E BUSHLAND [35.18, -102.04]</b>				
	05/30/21 22:35 CST		0	Flash Flood (due to Heavy Rain)
	05/30/21 22:53 CST		0	Source: Public



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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>RANDALL COUNTY --- 6.8 WSW AMARILLO [35.16, -101.93]</b>				
	05/30/21 22:48 CST		0	Hail (0.75 in)
	05/30/21 22:48 CST		0	Source: Public

Persistent low level winds out of the east brought substantial moisture to the region and contributed to severe supercell thunderstorm development as an upper level disturbance approached from the southwest. Large hail, severe wind gusts, flooding rains and tornadoes all occurred on this day. An nearly stationary outflow boundary provided strong turning in the low level wind fields that created additional wind shear which was instrumental in development of several tornadoes with the supercells that tracked near or along the boundary. A total of 13 tornadoes were confirmed in what turned out to be the highest tornado producing event of the season, although most of these were very short lived, weak, and produced little damage and/or impact. Seven tornadoes occurred in Cimarron County, mainly in the vicinity of Felt, all of which occurred over open land but were well documented by chasers. Six tornadoes occurred in Dallam and Sherman Counties, all of which were rated EF-0 or were unable to be rated due to a lack of damage indicators. Additionally, heavy rainfall occurred in many locations given the large amount of moisture in place, with flash flooding occurring in Amarillo, Canyon, and Wellington. Some locations received more than 4 inches of rainfall.