

## Storm Data and Unusual Weather Phenomena - June 2017

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>OKLAHOMA, Panhandle</b>				
<b>BEAVER COUNTY --- 7.6 S ELMWOOD [36.51, -100.51]</b>				
	06/13/17 16:50 CST	0		Hail (1.75 in)
	06/13/17 16:50 CST	0		Source: Trained Spotter
<b>BEAVER COUNTY --- 6.0 SSE ELMWOOD [36.54, -100.48]</b>				
	06/13/17 16:54 CST	0		Hail (2.00 in)
	06/13/17 16:54 CST	0		Source: Public
<b>BEAVER COUNTY --- 3.9 W CLEAR LAKE [36.68, -100.34]</b>				
	06/13/17 17:06 CST	0		Hail (1.75 in)
	06/13/17 17:06 CST	0		Source: Law Enforcement
<b>BEAVER COUNTY --- 2.8 W SLAPOUT [36.62, -100.17]</b>				
	06/13/17 18:20 CST	0		Hail (1.25 in)
	06/13/17 18:20 CST	0		Source: Trained Spotter
<b>BEAVER COUNTY --- 2.1 S SLAPOUT [36.59, -100.12]</b>				
	06/13/17 18:22 CST	0		Hail (1.50 in)
	06/13/17 18:22 CST	0		Source: Trained Spotter
<p><b>Severe Weather over the Panhandles with the main threats being hail around 2 inches in diameter and 60 mph wind gusts or greater. Bulk shear values will range between 40 and 55 knots with most unstable CAPE values around 2000 to 3500 J/kg. Flow aloft combined with dryline orientation suggested discrete cells initially with some cells expected to rotate and transition to a line of storms. Models indicated high values of DCAPE suggesting strong outflow boundaries and more interaction with other nearby storms.</b></p>				
<b>TEXAS COUNTY --- 8.1 NNW HOOKER [36.98, -101.27]</b>				
	06/21/17 18:33 CST	0		Hail (1.75 in)
	06/21/17 18:33 CST	0		Source: Storm Chaser
<b>TEXAS COUNTY --- 1.3 ESE HOOKER [36.86, -101.20]</b>				
	06/21/17 18:53 CST	0		Thunderstorm Wind (EG 52 kt)
	06/21/17 18:53 CST	0		Source: Emergency Manager
Emergency Manager estimated winds to be 60 MPH with the thunderstorm.				
<b>BEAVER COUNTY --- 1.5 SSW BEAVER [36.80, -100.53]</b>				
	06/21/17 19:30 CST	0		Thunderstorm Wind (MG 62 kt)
	06/21/17 19:30 CST	0		Source: Mesonet
<b>BEAVER COUNTY --- 1.5 SSW BEAVER [36.80, -100.53]</b>				
	06/21/17 19:35 CST	0		Thunderstorm Wind (MG 61 kt)
	06/21/17 19:35 CST	0		Source: Mesonet
<b>BEAVER COUNTY --- BALKO [36.63, -100.68]</b>				
	06/21/17 19:38 CST	0		Thunderstorm Wind (MG 50 kt)
	06/21/17 19:38 CST	0		Source: Broadcast Media
<b>BEAVER COUNTY --- 1.5 SSW BEAVER [36.80, -100.53]</b>				
	06/21/17 19:40 CST	0		Thunderstorm Wind (MG 55 kt)
	06/21/17 19:40 CST	0		Source: Mesonet
<b>BEAVER COUNTY --- 3.0 NW LOGAN [36.60, -100.26]</b>				
	06/21/17 19:50 CST	0		Thunderstorm Wind (MG 60 kt)
	06/21/17 19:50 CST	0		Source: Mesonet

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>BEAVER COUNTY --- 3.0 NW LOGAN [36.60, -100.26]</b>				
	06/21/17 19:55 CST		0	Thunderstorm Wind (MG 54 kt)
	06/21/17 19:55 CST		0	Source: Mesonet
<p>Good mid level lapse rates above 8 C/km, especially across the northern and northwestern Panhandles, supported the best chances of strong storms. MUCAPE values between 2500-3000 J/Kg, including inverted-v sounding with good mixing this afternoon, damaging winds and large hail will both be the main threat as we go in the afternoon and early evening hours. Localized flooding will also be possible with weak winds aloft in a very pulse like environment. If mesoscale convective boundaries form with storms training, that could lead to possible flooding with PWATs of over an inch.</p>				
<b>CIMARRON COUNTY --- 2.1 NNE STURGIS [36.91, -102.04]</b>				
	06/22/17 19:13 CST		0	Thunderstorm Wind (EG 56 kt)
	06/22/17 19:13 CST		0	Source: Law Enforcement
<p>Power lines knocked down at the intersection of HWY 56 and E-W 70.</p> <p>Weak storms over NM were forecast to become stronger as a shortwave trof moved through. Eventually a line of storms would develop later in the evening, making for a wind threat.</p>				
<b>CIMARRON COUNTY --- 4.9 N KEYES [36.89, -102.24]</b>				
	06/25/17 17:08 CST		0	Tornado (EF0, L: 0.10 mi , W: 10 yd)
	06/25/17 17:08 CST		0	Source: Storm Chaser
<p>Late report of a weak and brief tornado observed. Picture received from storm chasers that followed storm.</p>				
<b>CIMARRON COUNTY --- 0.7 S KEYES [36.81, -102.25]</b>				
	06/25/17 17:15 CST		0	Hail (2.75 in)
	06/25/17 17:15 CST		0	Source: Emergency Manager
<p>Late report from Cimmaron County EM, baseball sized hail reported. Structural and tree damage sustained throughout Keyes, due to wind and large hail.</p>				
<b>CIMARRON COUNTY --- 0.7 S KEYES [36.81, -102.25]</b>				
	06/25/17 17:15 CST		0	Thunderstorm Wind (EG 52 kt)
	06/25/17 17:15 CST		0	Source: Emergency Manager
<p>Late report from Cimmaron County EM, baseball sized hail reported. Structural and tree damage sustained throughout Keyes, due to wind and large hail.</p>				
<b>CIMARRON COUNTY --- 0.7 N KEYES [36.83, -102.25]</b>				
	06/25/17 17:24 CST		0	Hail (2.75 in)
	06/25/17 17:24 CST		0	Source: Storm Chaser
<p>Baseball size hail reported on North Road 430, north of Keyes.</p>				
<b>CIMARRON COUNTY --- 8.0 ENE BOISE CITY [36.76, -102.38]</b>				
	06/25/17 17:33 CST		0	Tornado (EF0, L: 0.10 mi , W: 10 yd)
	06/25/17 17:33 CST		0	Source: Law Enforcement
<p>Sheriff's Office reported tornado on the ground at intersection of HWY 64 and HWY 56 from a law enforcement officer in the field.</p>				
<b>CIMARRON COUNTY --- 7.9 SSW KEYES [36.71, -102.29]</b>				
	06/25/17 17:44 CST		0	Hail (2.75 in)
	06/25/17 17:44 CST		0	Source: Emergency Manager
<p>Late report of tennis ball to baseball sized hail. Hail was reported throughout a farm south to southwest of Keyes. All crops on farm sustained hail damage resulting in a total loss. Location relayed by Cimmaron County EM with time estimated from radar.</p> <p>Decent chance for storms to develop and move across the majority of the area overnight. Due to the increased instability and better shear today, stronger storms expected. Severe storms with large hail and damaging winds being the primary threats. One storm became a flash flooding issue for typical poor drainage along I-40 in Amarillo.</p>				
<b>CIMARRON COUNTY --- 6.9 SE KENTON [36.83, -102.88]</b>				

## Storm Data and Unusual Weather Phenomena - June 2017

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/26/17 19:05 CST		0	Thunderstorm Wind (MG 52 kt)
	06/26/17 19:05 CST		0	Source: Mesonet

Diurnally driven convection from the high terrain off of New Mexico and Colorado worked their way southeastward during the afternoon hours. Across the far western combined Panhandles, storms reached the area with weak shear. However, with CAPE of around 1000 J/Kg and DCAPE of around 1500 J/Kg, there was just enough instability to produce severe criteria winds across the western OK Panhandle. Convection then waned toward the evening hours with the loss of daytime heating.

### TEXAS, North Panhandle

**POTTER COUNTY --- 3.1 WSW AMARILLO [35.19, -101.87], 3.1 WSW AMARILLO [35.19, -101.87], 3.1 WSW AMARILLO [35.19, -101.87], 3.1 WSW AMARILLO [35.19, -101.87]**

06/02/17 15:43 CST	0	Flash Flood (due to Heavy Rain)
06/02/17 17:45 CST	0	Source: Storm Chaser

Severe flooding at paramount and church Ave. Cars starting to move by the water. About 6 inches.

**POTTER COUNTY --- 3.7 WSW AMARILLO [35.19, -101.88], 3.7 WSW AMARILLO [35.19, -101.88], 3.7 WSW AMARILLO [35.19, -101.88], 3.7 WSW AMARILLO [35.19, -101.88]**

06/02/17 16:00 CST	0	Flash Flood (due to Heavy Rain)
06/02/17 17:45 CST	0	Source: Emergency Manager

Vehicle rescue at 2200 block of S Western.

**POTTER COUNTY --- 5.7 W AMARILLO [35.19, -101.92], 5.7 W AMARILLO [35.19, -101.92], 5.8 W AMARILLO [35.19, -101.92], 5.8 W AMARILLO [35.19, -101.92]**

06/02/17 16:00 CST	0	Flash Flood (due to Heavy Rain)
06/02/17 17:45 CST	0	Source: Emergency Manager

Vehicle rescues going on at Coulter and Wallace.

**RANDALL COUNTY --- 2.6 W AMARILLO [35.19, -101.87], 2.6 W AMARILLO [35.19, -101.87], 2.6 W AMARILLO [35.19, -101.87], 2.7 W AMARILLO [35.19, -101.87]**

06/02/17 16:00 CST	0	Flash Flood (due to Heavy Rain)
06/02/17 17:45 CST	0	Source: NWS Employee

Fast flowing water down Georgia. Water almost into businesses.

**POTTER COUNTY --- 8.3 ESE BUSHLAND [35.13, -101.94], 8.3 ESE BUSHLAND [35.13, -101.94], 8.4 ESE BUSHLAND [35.13, -101.94], 8.3 ESE BUSHLAND [35.13, -101.94]**

06/02/17 16:05 CST	0	Flash Flood (due to Heavy Rain)
06/02/17 17:45 CST	0	Source: Storm Chaser

Covered roads at 335 and SW 81st some areas around the road are under 2ft of water. Low lying areas filling up and running off onto Soncy. Emergency vehicles are blocking intersections.

**POTTER COUNTY --- 2.9 WSW AMARILLO [35.19, -101.87], 2.9 WSW AMARILLO [35.19, -101.87], 2.9 WSW AMARILLO [35.19, -101.87], 2.9 WSW AMARILLO [35.19, -101.87]**

06/02/17 16:10 CST	0	Flash Flood (due to Heavy Rain)
06/02/17 17:45 CST	0	Source: Emergency Manager

Water rescue in progress. Water over the cab of a pickup.

**POTTER COUNTY --- 3.5 W AMARILLO [35.19, -101.88], 3.5 W AMARILLO [35.19, -101.88], 3.5 W AMARILLO [35.19, -101.88], 3.5 W AMARILLO [35.19, -101.88]**

06/02/17 16:10 CST	0	Flash Flood (due to Heavy Rain)
06/02/17 17:45 CST	0	Source: Emergency Manager

High water rescue near Tascosa high school.

## Storm Data and Unusual Weather Phenomena - June 2017

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>RANDALL COUNTY --- 3.8 WSW AMARILLO [35.18, -101.88], 3.8 WSW AMARILLO [35.18, -101.88], 3.8 WSW AMARILLO [35.18, -101.88], 3.8 WSW AMARILLO [35.18, -101.88]</b>				
	06/02/17 16:10 CST		0	Flash Flood (due to Heavy Rain)
	06/02/17 17:45 CST		0	Source: Emergency Manager
High water rescue at Western and King.				
<b>RANDALL COUNTY --- 4.9 SW AMARILLO [35.15, -101.88], 4.9 SW AMARILLO [35.15, -101.88], 4.9 SW AMARILLO [35.15, -101.88], 4.9 SW AMARILLO [35.15, -101.88]</b>				
	06/02/17 16:10 CST		0	Flash Flood (due to Heavy Rain)
	06/02/17 17:45 CST		0	Source: Emergency Manager
Three high water rescues in progress.				
<b>RANDALL COUNTY --- 3.9 W AMARILLO [35.19, -101.89], 3.9 W AMARILLO [35.19, -101.89], 3.9 W AMARILLO [35.19, -101.89], 3.9 W AMARILLO [35.19, -101.89]</b>				
	06/02/17 16:15 CST		0	Flash Flood (due to Heavy Rain)
	06/02/17 17:45 CST		0	Source: Public
Water over car hoods on Teckla.				
<b>POTTER COUNTY --- 4.6 W AMARILLO [35.19, -101.90], 4.6 W AMARILLO [35.19, -101.90], 4.8 W AMARILLO [35.19, -101.90], 4.8 W AMARILLO [35.19, -101.90]</b>				
	06/02/17 16:25 CST		0	Flash Flood (due to Heavy Rain)
	06/02/17 17:45 CST		0	Source: Trained Spotter
Interstate 40 closed at Bell, due to high water.				
<b>RANDALL COUNTY --- 7.3 NW TIMBERCREEK CANYON [35.12, -101.92], 7.4 NW TIMBERCREEK CANYON [35.12, -101.92], 7.4 NW TIMBERCREEK CANYON [35.12, -101.92], 7.3 NW TIMBERCREEK CANYON [35.12, -101.92]</b>				
	06/02/17 16:43 CST		0	Flash Flood (due to Heavy Rain)
	06/02/17 17:45 CST		0	Source: NWS Employee
Water up to the bumper of a car. Cars being pulled out of high water by a wrecker just north of loop 335 on Coulter.				
<b>RANDALL COUNTY --- 5.0 WSW AMARILLO [35.17, -101.90], 5.0 WSW AMARILLO [35.17, -101.90], 5.0 WSW AMARILLO [35.17, -101.90], 5.0 WSW AMARILLO [35.17, -101.90]</b>				
	06/02/17 16:45 CST		0	Flash Flood (due to Heavy Rain)
	06/02/17 17:45 CST		0	Source: Emergency Manager
High water rescue from a car, at Granada and Kingston.				
<b>RANDALL COUNTY --- 6.2 SW AMARILLO [35.14, -101.90], 6.2 SW AMARILLO [35.14, -101.90], 6.2 SW AMARILLO [35.14, -101.90], 6.2 SW AMARILLO [35.14, -101.90]</b>				
	06/02/17 16:58 CST		0	Flash Flood (due to Heavy Rain)
	06/02/17 17:45 CST		0	Source: Emergency Manager
High water rescue in progress, at Bell and Farmers.				
<b>A weak and broad upper level trof of low pressure impacted the Panhandles for a significant Flash Flooding Event. The mid and upper level flow will remain on the weak side over the weekend. This kept showers and thunderstorms slow moving for the most part which led to several reports of Flash Flooding.</b>				
<b>MOORE COUNTY --- 8.4 E FOUR WAY [35.69, -101.82]</b>				
	06/08/17 18:08 CST		0	Hail (2.75 in)
	06/08/17 18:08 CST		0	Source: Trained Spotter
<b>MOORE COUNTY --- 7.8 SE DUMAS [35.78, -101.86]</b>				
	06/08/17 18:10 CST		0	Hail (1.50 in)
	06/08/17 18:10 CST		0	Source: NWS Employee

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<b>HANSFORD COUNTY --- 4.1 SSE GRUVER [36.22, -101.36]</b>				
	06/08/17 18:26 CST		0	Hail (1.50 in)
	06/08/17 18:26 CST		0	Source: Public
<b>POTTER COUNTY --- 14.3 NNW (AMA)AMARILLO INTL A [35.41, -101.82]</b>				
	06/08/17 18:56 CST		0	Thunderstorm Wind (MG 56 kt)
	06/08/17 18:56 CST		0	Source: Broadcast Media
<b>POTTER COUNTY --- (AMA)AMARILLO INTL A [35.22, -101.72]</b>				
	06/08/17 19:19 CST		0	Thunderstorm Wind (MG 51 kt)
	06/08/17 19:19 CST		0	Source: ASOS
<b>POTTER COUNTY --- 8.3 N AMARILLO [35.32, -101.83]</b>				
	06/08/17 19:31 CST		0	Hail (1.00 in)
	06/08/17 19:31 CST		0	Source: Trained Spotter
Givens Avenue and Highway 87.				
<b>POTTER COUNTY --- 4.9 N AMARILLO [35.27, -101.83]</b>				
	06/08/17 19:32 CST		0	Hail (1.00 in)
	06/08/17 19:32 CST		0	Source: Public
<b>POTTER COUNTY --- 0.3 ENE AMARILLO [35.20, -101.82]</b>				
	06/08/17 19:35 CST		0	Hail (1.75 in)
	06/08/17 19:35 CST		0	Source: NWS Employee
Hail occurred at 9th and Ross.				
<b>POTTER COUNTY --- 6.9 N AMARILLO [35.30, -101.82]</b>				
	06/08/17 19:35 CST		0	Hail (2.00 in)
	06/08/17 19:35 CST		0	Source: Trained Spotter
<b>POTTER COUNTY --- 2.1 NNE AMARILLO [35.23, -101.81]</b>				
	06/08/17 19:37 CST		0	Hail (1.00 in)
	06/08/17 19:37 CST		0	Source: Trained Spotter
Hail was at Martin Road Lake.				
<b>POTTER COUNTY --- 4.5 NNE AMARILLO [35.26, -101.79]</b>				
	06/08/17 19:37 CST		0	Hail (1.75 in)
	06/08/17 19:37 CST		0	Source: Amateur Radio
Hail was at 24th and Grand St.				
<b>POTTER COUNTY --- 0.6 W AMARILLO [35.20, -101.83]</b>				
	06/08/17 19:40 CST		0	Hail (1.25 in)
	06/08/17 19:40 CST		0	Source: Broadcast Media
Quarter to half dollar sized hail reported.				
<b>RANDALL COUNTY --- 3.0 SSE AMARILLO [35.16, -101.80]</b>				
	06/08/17 19:40 CST		0	Thunderstorm Wind (EG 61 kt)
	06/08/17 19:40 CST		0	Source: NWS Storm Survey
A brief microburst occurred on the south side of Amarillo.				
<b>POTTER COUNTY --- 1.8 SW AMARILLO [35.18, -101.84]</b>				
	06/08/17 19:41 CST		0	Hail (1.50 in)
	06/08/17 19:41 CST		0	Source: Trained Spotter

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Washington and I-27.				
<b>RANDALL COUNTY --- 4.7 SSW AMARILLO [35.14, -101.86]</b>				
	06/08/17 19:43 CST	0		Hail (1.00 in)
	06/08/17 19:43 CST	0		Source: NWS Employee
<b>RANDALL COUNTY --- 4.7 SSW AMARILLO [35.14, -101.86]</b>				
	06/08/17 19:43 CST	0		Thunderstorm Wind (EG 52 kt)
	06/08/17 19:43 CST	0		Source: NWS Employee
NWS employee estimated 60 MPH wind gust.				
<b>POTTER COUNTY --- 3.0 SSW AMARILLO [35.16, -101.84]</b>				
	06/08/17 19:46 CST	0		Hail (1.75 in)
	06/08/17 19:46 CST	0		Source: Trained Spotter
Hail occurred at 58th and Washington.				
<b>RANDALL COUNTY --- 4.1 NNW LAKE TANGLEWOOD [35.11, -101.82]</b>				
	06/08/17 19:47 CST	0		Thunderstorm Wind (EG 90 kt)
	06/08/17 20:12 CST	0		Source: NWS Storm Survey
A damage survey conducted determined that a microburst associated with a severe thunderstorm caused damage associated with approximately 90MPH winds.				
<b>RANDALL COUNTY --- 1.8 NW LAKE TANGLEWOOD [35.08, -101.80]</b>				
	06/08/17 19:48 CST	0		Thunderstorm Wind (MG 65 kt)
	06/08/17 19:48 CST	0		Source: Public
<b>RANDALL COUNTY --- 4.8 S AMARILLO [35.13, -101.82]</b>				
	06/08/17 19:48 CST	0		Hail (1.00 in)
	06/08/17 19:48 CST	0		Source: Public
<b>POTTER COUNTY --- AMARILLO [35.20, -101.82]</b>				
	06/08/17 19:49 CST	0		Hail (1.25 in)
	06/08/17 19:49 CST	0		Source: Trained Spotter
Quarter to half dollar sized hail reported.				
<b>RANDALL COUNTY --- 3.6 NNW LAKE TANGLEWOOD [35.11, -101.80]</b>				
	06/08/17 19:50 CST	0		Thunderstorm Wind (MG 58 kt)
	06/08/17 19:50 CST	0		Source: Mesonet
<b>RANDALL COUNTY --- 3.6 NNW LAKE TANGLEWOOD [35.11, -101.80]</b>				
	06/08/17 19:55 CST	0		Thunderstorm Wind (MG 61 kt)
	06/08/17 19:55 CST	0		Source: Mesonet
<b>RANDALL COUNTY --- 1.8 WSW TIMBERCREEK CANYON [35.04, -101.85]</b>				
	06/08/17 19:59 CST	0		Hail (1.00 in)
	06/08/17 19:59 CST	0		Source: Trained Spotter
Six to 8 inches of hail covering both sides of Washington just north of Camp Don Harrington.				
<b>RANDALL COUNTY --- 2.2 NW TIMBERCREEK CANYON [35.07, -101.85]</b>				
	06/08/17 20:00 CST	0		Thunderstorm Wind (EG 52 kt)
	06/08/17 20:00 CST	0		Source: Public
One-thousand-pound building blown over. Pieces of metal torn off roof.				
<b>RANDALL COUNTY --- 2.8 N CANYON [35.02, -101.92]</b>				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/08/17 20:03 CST		0	Thunderstorm Wind (MG 57 kt)
	06/08/17 20:03 CST		0	Source: Broadcast Media
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<b>RANDALL COUNTY --- 2.8 E CANYON [34.98, -101.87]</b>				
	06/08/17 20:10 CST		0	Thunderstorm Wind (EG 61 kt)
	06/08/17 20:10 CST		0	Source: NWS Employee
NWS employee estimated 70 MPH winds.				
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<b>RANDALL COUNTY --- CANYON [34.98, -101.92]</b>				
	06/08/17 20:12 CST		0	Thunderstorm Wind (EG 52 kt)
	06/08/17 20:12 CST		0	Source: Trained Spotter
Trained spotter estimated 60 MPH wind gusts.				
<p><b>General flow was out of the northwest, with some 700mb moisture in place. Surfaced based convection was expected around 1-4pm. Convection was expected to start across the northern Panhandles and progress southeast. CAPE values will range from 1000-1500 J/kg, with about 25-30kts of effective shear, a decent veering wind profile will support possible organized storms today that will be capable of producing large hail and strong damaging winds.</b></p>				
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<b>GRAY COUNTY --- 4.7 WNW PAMPA [35.55, -101.05]</b>				
	06/13/17 15:30 CST		0	Hail (0.88 in)
	06/13/17 15:30 CST		0	Source: Storm Chaser
Pea to marble size hail with nickel mixed in at 152 and Price in Pampa.				
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<b>GRAY COUNTY --- 4.7 WNW PAMPA [35.55, -101.05]</b>				
	06/13/17 15:31 CST		0	Hail (1.00 in)
	06/13/17 15:31 CST		0	Source: Broadcast Media
Quarter size hail reported on state highway 152 west of Pampa.				
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<b>CARSON COUNTY --- 0.6 W GROOM [35.20, -101.11]</b>				
	06/13/17 16:10 CST		0	Hail (1.00 in)
	06/13/17 16:10 CST		0	Source: NWS Employee
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<b>ROBERTS COUNTY --- 8.6 NNW MIAMI [35.81, -100.70]</b>				
	06/13/17 16:25 CST		0	Hail (1.75 in)
	06/13/17 16:25 CST		0	Source: Law Enforcement
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<b>OCHILTREE COUNTY --- 6.2 ESE TWICHELL [36.39, -100.62]</b>				
	06/13/17 16:30 CST		0	Hail (1.50 in)
	06/13/17 16:30 CST		0	Source: Public
Ping pong ball sized hail reported 10 miles east of Perryton.				
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<b>LIPSCOMB COUNTY --- 0.9 NW BOOKER [36.46, -100.54]</b>				
	06/13/17 16:45 CST		0	Hail (1.75 in)
	06/13/17 16:45 CST		0	Source: Fire Department/Rescue
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<b>HEMPHILL COUNTY --- 0.7 N CANADIAN [35.91, -100.38]</b>				
	06/13/17 16:55 CST		0	Hail (2.50 in)
	06/13/17 16:55 CST		0	Source: Fire Department/Rescue
Tennis ball sized hail reported at 555 PM.				
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<b>HEMPHILL COUNTY --- 2.9 ENE CANADIAN [35.91, -100.33]</b>				
	06/13/17 16:58 CST		0	Hail (1.00 in)
	06/13/17 16:58 CST		0	Source: Public

## Storm Data and Unusual Weather Phenomena - June 2017

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Quarter sized hail reported east of Canadian.				
<b>HEMPHILL COUNTY --- 5.6 NNW CANADIAN HEMPILL AR [35.98, -100.42]</b>				
	06/13/17 16:58 CST	0		Hail (2.75 in)
	06/13/17 16:58 CST	0		Source: Public
<b>DONLEY COUNTY --- 2.9 WSW GILES [34.81, -100.58]</b>				
	06/13/17 17:19 CST	0		Hail (1.50 in)
	06/13/17 17:19 CST	0		Source: Storm Chaser
<b>HEMPHILL COUNTY --- 2.1 NNW GLAZIER [36.03, -100.24]</b>				
	06/13/17 17:24 CST	0		Hail (1.75 in)
	06/13/17 17:24 CST	0		Source: Storm Chaser
<b>DONLEY COUNTY --- 2.9 WSW GILES [34.81, -100.58]</b>				
	06/13/17 17:25 CST	0		Hail (2.00 in)
	06/13/17 17:25 CST	0		Source: Storm Chaser
<b>HEMPHILL COUNTY --- 11.7 ENE GLAZIER [36.05, -100.03]</b>				
	06/13/17 17:41 CST	0		Hail (2.75 in)
	06/13/17 17:41 CST	0		Source: Storm Chaser
<b>LIPSCOMB COUNTY --- 0.6 W HIGGINS [36.12, -100.03]</b>				
	06/13/17 17:46 CST	0		Hail (1.75 in)
	06/13/17 17:46 CST	0		Source: Broadcast Media
<b>COLLINGSWORTH COUNTY --- 0.9 SE WELLINGTON [34.84, -100.21]</b>				
	06/13/17 18:00 CST	0		Hail (1.00 in)
	06/13/17 18:00 CST	0		Source: Trained Spotter
<b>WHEELER COUNTY --- 0.6 W NEW MOBEETIE [35.53, -100.44]</b>				
	06/13/17 19:43 CST	0		Hail (1.75 in)
	06/13/17 19:43 CST	0		Source: Trained Spotter
<p><b>Severe Weather over the Panhandles with the main threats being hail around 2 inches in diameter and 60 mph wind gusts or greater. Bulk shear values will range between 40 and 55 knots with most unstable CAPE values around 2000 to 3500 J/kg. Flow aloft combined with dryline orientation suggested discrete cells initially with some cells expected to rotate and transition to a line of storms. Models indicated high values of DCAPE suggesting strong outflow boundaries and more interaction with other nearby storms.</b></p>				
<b>GRAY COUNTY --- 6.2 E HOOVER [35.60, -100.74]</b>				
	06/15/17 14:48 CST	0		Hail (2.50 in)
	06/15/17 14:48 CST	0		Source: Public
<b>DONLEY COUNTY --- 0.6 W LELIA LAKE [34.90, -100.79]</b>				
	06/15/17 15:07 CST	0		Hail (0.75 in)
	06/15/17 15:07 CST	0		Source: Trained Spotter
<b>DONLEY COUNTY --- 0.9 NE CLARENDON [34.94, -100.89]</b>				
	06/15/17 15:10 CST	0		Hail (0.75 in)
	06/15/17 15:10 CST	0		Source: Trained Spotter
<b>DONLEY COUNTY --- 0.9 NW CLARENDON [34.94, -100.91]</b>				
	06/15/17 18:15 CST	0		Hail (1.25 in)
	06/15/17 18:15 CST	0		Source: Trained Spotter
<b>DONLEY COUNTY --- CLARENDON [34.93, -100.90]</b>				
	06/15/17 18:16 CST	0		Hail (1.75 in)
	06/15/17 18:16 CST	0		Source: Trained Spotter



## Storm Data and Unusual Weather Phenomena - June 2017

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>DONLEY COUNTY --- 0.9 NE CLARENDON [34.94, -100.89]</b>				
	06/15/17 18:18 CST		0	Hail (1.75 in)
	06/15/17 18:18 CST		0	Source: Public
<b>DONLEY COUNTY --- 0.9 SE CLARENDON [34.92, -100.89]</b>				
	06/15/17 18:20 CST		0	Hail (2.50 in)
	06/15/17 18:20 CST		0	Source: Public
Tennis ball size hail south of Clarendon, on HWY 70.				
LAPS CAPE analysis showed 3000-3500 J/kg for storms to work with while deep layer shear being fairly limited of 20-25kt. Threats of large hail was the primary hazard. There is also a damaging wind threat due to elevated cloud bases under the inverted-v soundings.				
<b>(TX-Z017) RANDALL, (TX-Z018) ARMSTRONG</b>				
	06/17/17 12:00 CST		0	Excessive Heat
	06/17/17 19:00 CST		0	
Mid-level ridge over northwest Mexico and southwest CONUS supported high temperatures well above 100 degrees Fahrenheit, with 850mb temperatures at or above 36 degrees Celsius continuing to be forecast across western half of Texas Panhandle.				
<b>SHERMAN COUNTY --- 8.3 ESE LAUTZ [36.18, -101.89]</b>				
	06/20/17 19:50 CST		0	Thunderstorm Wind (EG 103 kt)
	06/20/17 19:50 CST		0	Source: NWS Storm Survey
Damage survey indicated a microburst associated with a severe thunderstorm caused damage to a well built structure and bent a radio tower 90 degrees, along with some irrigation and farm equipment.				
<b>SHERMAN COUNTY --- 8.2 SSE LAUTZ [36.12, -101.95]</b>				
	06/20/17 20:00 CST		0	Thunderstorm Wind (EG 61 kt)
	06/20/17 20:00 CST		0	Source: Public
Patio roof was blown off and also ripped the metal roof off part of the house.				
<b>SHERMAN COUNTY --- 7.9 SSE LAUTZ [36.12, -101.96]</b>				
	06/20/17 20:03 CST		0	Thunderstorm Wind (EG 61 kt)
	06/20/17 20:03 CST		0	Source: Law Enforcement
Five to 6 power poles blown over onto FM Road 1573 seven miles east of HWY 287.				
<b>SHERMAN COUNTY --- 10.3 SE LAUTZ [36.10, -101.92]</b>				
	06/20/17 20:11 CST		0	Thunderstorm Wind (EG 74 kt)
	06/20/17 20:12 CST		0	Source: NWS Storm Survey
A microburst associated with a severe thunderstorm damaged center pivots of irrigation equipment and snapped 13 power poles. The damage path associated with the microburst had a path length of 2.3 miles, a path width of 2.1 miles, and ended around 912 PM CDT.				
<b>MOORE COUNTY --- 6.2 E ETTER [36.02, -101.89]</b>				
	06/20/17 20:28 CST		0	Hail (0.88 in)
	06/20/17 20:28 CST		0	Source: Fire Department/Rescue
Satellite wind profiles of northwesterly flow of 15-25 kts at 600-450 hPa shows perhaps enough flow to move these storms into the northern and western Panhandles. Good DCAPE environment of around 1500 J/kg in-conjunction with shear of 30-40 kts. With supporting inverted-v forecast soundings over parts of the northern Panhandles, indicating strong winds as the primary threat. Large hail potential was there as well.				
<b>DALLAM COUNTY --- TEXLINE [36.38, -103.02]</b>				
	06/21/17 15:00 CST		0	Hail (1.00 in)
	06/21/17 15:00 CST		0	Source: Trained Spotter
<b>HARTLEY COUNTY --- CHANNING [35.68, -102.33]</b>				

## Storm Data and Unusual Weather Phenomena - June 2017

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/21/17 17:16 CST		0	Hail (0.88 in)
	06/21/17 17:16 CST		0	Source: Public
<hr/>				
<b>OLDHAM COUNTY --- 1.8 SW BOYS RANCH [35.51, -102.27]</b>				
	06/21/17 17:16 CST		0	Thunderstorm Wind (MG 51 kt)
	06/21/17 17:16 CST		0	Source: Mesonet
<hr/>				
<b>POTTER COUNTY --- 7.6 ENE VALLE DE ORO [35.50, -101.99]</b>				
	06/21/17 17:58 CST		0	Thunderstorm Wind (MG 50 kt)
	06/21/17 17:58 CST		0	Source: Broadcast Media
<hr/>				
<b>MOORE COUNTY --- 5.6 NNE DUMAS [35.93, -101.95]</b>				
	06/21/17 18:10 CST		0	Hail (1.25 in)
	06/21/17 18:10 CST		0	Source: Public
<hr/>				
Late report of half dollar sized hail.				
<hr/>				
<b>DEAF SMITH COUNTY --- 6.0 WSW HEREFORD [34.79, -102.50]</b>				
	06/21/17 19:26 CST		0	Thunderstorm Wind (EG 61 kt)
	06/21/17 19:26 CST		0	Source: Trained Spotter
<hr/>				
Late report of thunderstorm wind gusts between 60 to 70 mph, reported by trained spotter.				
<hr/>				
<b>OCHILTREE COUNTY --- 0.7 N PERRYTON MUNI ARPT [36.41, -100.75]</b>				
	06/21/17 19:55 CST		0	Thunderstorm Wind (MG 51 kt)
	06/21/17 19:55 CST		0	Source: AWOS
<hr/>				
<b>SHERMAN COUNTY --- 12.3 E LAUTZ [36.24, -101.81]</b>				
	06/21/17 20:13 CST		0	Thunderstorm Wind (EG 56 kt)
	06/21/17 20:13 CST		0	Source: Trained Spotter
<hr/>				
Trained Spotter estimated 65 mph wind gust.				
<hr/>				
<b>SHERMAN COUNTY --- 12.9 ENE LAUTZ [36.28, -101.81]</b>				
	06/21/17 20:32 CST		0	Thunderstorm Wind (EG 61 kt)
	06/21/17 20:32 CST		0	Source: Trained Spotter
<hr/>				
Late report of thunderstorm wind gusts between 65 to 70 mph.				
<hr/>				
<b>SHERMAN COUNTY --- 6.2 W TEXHOMA [36.49, -101.81]</b>				
	06/21/17 20:55 CST		0	Thunderstorm Wind (EG 61 kt)
	06/21/17 20:55 CST		0	Source: Trained Spotter
<hr/>				
Late report of thunderstorm wind gust 60 to 70 mph. Gusts constantly high between 1030 and 1100 PM.				
<hr/>				
<b>HANSFORD COUNTY --- 0.7 S MORSE [36.06, -101.48]</b>				
	06/21/17 21:08 CST		0	Thunderstorm Wind (MG 55 kt)
	06/21/17 21:08 CST		0	Source: Broadcast Media
<hr/>				
Good mid level lapse rates above 8 C/km, especially across the northern and northwestern Panhandles, supported the best chances of strong storms. MUCAPE values between 2500-3000 J/Kg, including inverted-v sounding with good mixing this afternoon, damaging winds and large hail will both be the main threat as we go in the afternoon and early evening hours. Localized flooding will also be possible with weak winds aloft in a very pulse like environment. If mesoscale convective boundaries form with storms training, that could lead to possible flooding with PWATs of over an inch.				
<hr/>				
<b>(TX-Z006) HARTLEY</b>				
	06/21/17 17:04 CST		0	Wildfire
	06/22/17 04:00 CST		0	

The Romero Wildfire began around 1704CST about two miles west southwest of Romero Texas in Hartley county. The wildfire began to the west of the Douglas Lathem Farm or just west of Farm to Market Road 3296 and U.S. Highway 54. The wildfire was caused by

## Storm Data and Unusual Weather Phenomena - June 2017

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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lightning and consumed a measured one thousand seven hundred and fifty-eight acres. There were no reports of fatalities or injuries and there were also no reports of homes or other structures threatened or destroyed. It was reported that the wind kept changing directions which made it hard to control the fire and two tractors with discs and a maintainer were used to control the wildfire from area farms. There were seven fire departments and other agencies involved including the Texas A&M Forest Service along with five units from the Dalhart Volunteer Fire Department that responded to the wildfire as well as mutual aid from Amistad New Mexico Fire Department, Channing Volunteer Fire Department, Sedan New Mexico Volunteer Fire Department, Hartley County Road, and the Hartley County Sheriff's Office. The wildfire was brought under control by 0400CST on June 22. A Texas Department of Public Safety helicopter flew over the wildfire the next day to GPS the size of the fire.

**RANDALL COUNTY --- 1.8 WNW CANYON [34.99, -101.95]**

06/24/17 00:43 CST			0	Hail (1.25 in)
06/24/17 00:43 CST			0	Source: NWS Employee

Quarter to half dollar size hail in Canyon.

**RANDALL COUNTY --- CANYON [34.98, -101.92]**

06/24/17 00:44 CST			0	Hail (1.25 in)
06/24/17 00:44 CST			0	Source: Trained Spotter

Quarter size hail and slightly larger falling in Canyon.

**RANDALL COUNTY --- 0.9 NW CANYON [34.99, -101.93]**

06/24/17 00:45 CST			0	Hail (1.25 in)
06/24/17 00:45 CST			0	Source: Park/Forest Service

**RANDALL COUNTY --- 2.2 NW CANYON [35.00, -101.95]**

06/24/17 00:46 CST			0	Hail (1.75 in)
06/24/17 00:46 CST			0	Source: Trained Spotter

**RANDALL COUNTY --- 1.1 W CANYON [34.98, -101.94]**

06/24/17 00:47 CST			0	Hail (1.50 in)
06/24/17 00:47 CST			0	Source: Trained Spotter

**RANDALL COUNTY --- CANYON [34.98, -101.92]**

06/24/17 01:02 CST			0	Hail (1.00 in)
06/24/17 01:02 CST			0	Source: Trained Spotter

**RANDALL COUNTY --- 2.8 E CANYON [34.98, -101.87]**

06/24/17 01:14 CST			0	Hail (0.88 in)
06/24/17 01:14 CST			0	Source: NWS Employee

In the wake of the passing cold front, low level residual 850-700 hPa moisture boundary was set up over the northern Texas Panhandle. With a mid-level trough working SE out of Colorado along with MUCAPE up near 1500 J/Kg, there was enough mid level instability to generate a cluster of storms considering all these reports occurred overnight. These storms moved south along boundaries generated by the line of clustered discrete cells producing several hail reports.

**DALLAM COUNTY --- 4.8 SE WARE [36.14, -102.63]**

06/25/17 19:05 CST			0	Thunderstorm Wind (EG 61 kt)
06/25/17 19:05 CST			0	Source: Emergency Manager

Center pivot irrigation system flipped at the intersection of HWY 87 and 102.

**HARTLEY COUNTY --- 1.8 NW (DHT)DALHART MUNI AR [36.04, -102.57]**

06/25/17 19:29 CST			0	Hail (1.75 in)
06/25/17 19:29 CST			0	Source: Public

Social media picture confirmed, golfball sized hail.

**DALLAM COUNTY --- 1.3 WNW DALHART [36.08, -102.54]**

06/25/17 19:30 CST			0	Hail (0.88 in)
06/25/17 19:30 CST			0	Source: Fire Department/Rescue

## Storm Data and Unusual Weather Phenomena - June 2017

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Hail covering the roadways at the intersection of FM 1727 and HWY 87 north.				
<hr/>				
<b>HARTLEY COUNTY --- 0.6 W (DHT)DALHART MUNI AR [36.02, -102.56]</b>	06/25/17 19:30 CST	0		Hail (2.75 in)
	06/25/17 19:30 CST	0		Source: Storm Chaser
Live feed from storm chasers showed baseball sized hail.				
<hr/>				
<b>HARTLEY COUNTY --- 2.6 WSW (DHT)DALHART MUNI AR [36.00, -102.59]</b>	06/25/17 19:33 CST	0		Hail (2.75 in)
	06/25/17 19:33 CST	0		Source: Public
Hail ranging from golfball to baseball size reported by the public southwest of Dalhart. Property damage from the hail and wind was reported as well.				
<hr/>				
<b>HARTLEY COUNTY --- 0.7 N (DHT)DALHART MUNI AR [36.03, -102.55]</b>	06/25/17 19:38 CST	0		Thunderstorm Wind (MG 58 kt)
	06/25/17 19:38 CST	0		Source: ASOS
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<b>HARTLEY COUNTY --- 6.5 NE MIDDLE WATER [35.91, -102.69]</b>	06/25/17 19:50 CST	0		Thunderstorm Wind (MG 70 kt)
	06/25/17 19:50 CST	0		Source: Broadcast Media
From the KVII school net site at Olson Ranch.				
<hr/>				
<b>DEAF SMITH COUNTY --- SIMMS [35.03, -102.66]</b>	06/25/17 20:52 CST	0		Hail (2.50 in)
	06/25/17 20:52 CST	0		Source: Emergency Manager
<hr/>				
<b>OLDHAM COUNTY --- 0.9 SE VEGA [35.24, -102.42]</b>	06/25/17 21:04 CST	0		Thunderstorm Wind (MG 63 kt)
	06/25/17 21:04 CST	0		Source: Broadcast Media
<hr/>				
<b>OLDHAM COUNTY --- VEGA [35.25, -102.43]</b>	06/25/17 21:05 CST	0		Thunderstorm Wind (EG 61 kt)
	06/25/17 21:05 CST	0		Source: Emergency Manager
Late report from Oldham County Emergency Manager with damage to RV's and carports and about 20 downed power lines in Vega.				
<hr/>				
<b>OLDHAM COUNTY --- 2.4 WSW WILDORADO [35.19, -102.24]</b>	06/25/17 21:15 CST	0		Thunderstorm Wind (EG 61 kt)
	06/25/17 21:15 CST	0		Source: Emergency Manager
Late report from Oldham County Emergency of downed powerlines, along TX Route 809 just south of Wildorado. Time estimated from radar.				
<hr/>				
<b>OLDHAM COUNTY --- 0.9 NW WILDORADO [35.21, -102.21]</b>	06/25/17 21:25 CST	0		Thunderstorm Wind (MG 70 kt)
	06/25/17 21:25 CST	0		Source: Broadcast Media
<hr/>				
<b>DEAF SMITH COUNTY --- 8.3 N DAWN [35.04, -102.20]</b>	06/25/17 21:40 CST	0		Thunderstorm Wind (EG 61 kt)
	06/25/17 21:40 CST	0		Source: Emergency Manager
Late report by Emergency Manger of power poles down. Also, part of roof off barn near HWY 809 and CR 21.				
<hr/>				
<b>DEAF SMITH COUNTY --- 0.9 NW HEREFORD MUNI ARPT [34.86, -102.33]</b>	06/25/17 21:55 CST	0		Thunderstorm Wind (MG 58 kt)
	06/25/17 21:55 CST	0		Source: AWOS
<hr/>				
<b>ARMSTRONG COUNTY --- 0.6 E GOODNIGHT [35.03, -101.19]</b>				

## Storm Data and Unusual Weather Phenomena - June 2017

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/25/17 22:14 CST		0	Thunderstorm Wind (MG 54 kt)
	06/25/17 22:14 CST		0	Source: Mesonet

Decent chance for storms to develop and move across the majority of the area overnight. Due to the increased instability and better shear today, stronger storms expected. Severe storms with large hail and damaging winds being the primary threats. One storm became a flash flooding issue for typical poor drainage along I-40 in Amarillo.

**POTTER COUNTY --- 1.7 WSW AMARILLO [35.19, -101.85], 1.7 WSW AMARILLO [35.19, -101.85], 1.6 WSW AMARILLO [35.19, -101.85], 1.6 WSW AMARILLO [35.19, -101.85]**

	06/25/17 22:13 CST		0	Flash Flood (due to Heavy Rain)
	06/25/17 22:13 CST		0	Source: Broadcast Media

Interstate 40 at Washington closed for east bound and west bound traffic.

Decent chance for storms to develop and move across the majority of the area overnight. Due to the increased instability and better shear today, stronger storms expected. Severe storms with large hail and damaging winds being the primary threats. One storm became a flash flooding issue for typical poor drainage along I-40 in Amarillo.

**HARTLEY COUNTY --- 8.4 NE MIDDLE WATER [35.94, -102.68]**

	06/30/17 19:24 CST		0	Hail (1.25 in)
	06/30/17 19:24 CST		0	Source: Trained Spotter

Storm spotter found hail on us HWY 54 about 20 miles SW of Dalhart.

Diurnally driven convection from the high terrain off of New Mexico and Colorado worked their way southeastward during the afternoon hours. Across the far western combined Panhandles, environment of CAPE/MUCAPE of 1000-2000 J/Kg in-conjunction with easterly surface flow and moisture pool behind the passing cold front. This set the environment to support thunderstorms that worked their way east from NM/CO. An isolated cell did make it into the far western TX Panhandle with half dollar size hail reported. Convection then waned toward the evening hours with the loss of daytime heating.