

Storm Data and Unusual Weather Phenomena - August 2018

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
OKLAHOMA, Panhandle				
CIMARRON COUNTY --- 4.5 SSW KEYES [36.76, -102.28]				
	08/21/18 19:46 CST	0		Hail (1.25 in)
	08/21/18 19:46 CST	0		Source: Storm Chaser
CIMARRON COUNTY --- 4.5 SSW KEYES [36.76, -102.28]				
	08/21/18 19:46 CST	0		Thunderstorm Wind (EG 70 kt)
	08/21/18 19:46 CST	0		Source: Storm Chaser
Estimated wind gust by storm chaser.				
CIMARRON COUNTY --- 3.0 SSE BOISE CITY [36.69, -102.50]				
	08/21/18 19:50 CST	0		Thunderstorm Wind (MG 50 kt)
	08/21/18 19:50 CST	0		Source: Mesonet
CIMARRON COUNTY --- 0.9 SW KEYES [36.81, -102.26], 1.6 SSW KEYES [36.80, -102.27], 1.5 SSE KEYES [36.80, -102.24], 0.6 E KEYES [36.82, -102.24]				
	08/21/18 20:00 CST	0		Flood (due to Heavy Rain)
	08/21/18 20:00 CST	0		Source: Emergency Manager
Ditches were full and cars were also in ditches.				
<p>A disturbance moved over a weak ridge over the Texas/New Mexico border by the afternoon of the 21st. High instability and moderate wind shear set the stage for thunderstorms developing over the high terrain to the west to be maintained over the northwestern Panhandles in a favorable environment. With better organized ingredients plus the loss of daytime heating, cellular thunderstorms across New Mexico and Colorado congealed into a bowing line segment and moved southeast across the western OK Panhandle and NW Texas Panhandle. Severe wind gusts were reported across the aforementioned areas along with flooding in the town of Keyes in the western OK Panhandle.</p>				
TEXAS, North Panhandle				
(TX-Z015) WHEELER				
	08/01/18 13:00 CST	0		Wildfire
	08/01/18 16:00 CST	0		
<p>The 602018 Wildfire began around 1300CST about seven miles east northeast of Kelton Texas in Wheeler county. The wildfire started just west of the Texas and Oklahoma state line or just west of North County Road 1670 about a half mile north of State Highway 152. The wildfire consumed an estimated three hundred acres, but there were no homes or other structures threatened by the wildfire and there were no homes or other structures destroyed by the wildfire. There also no reports of any injuries or fatalities. The Wheeler Volunteer Fire Department, the Sweetwater Fire Department, the Kelton Volunteer Fire Department and the Allison Volunteer Fire Department all responded to the wildfire. The cause of the wildfire was determined to be from welding equipment use and the wildfire was both contained and controlled around 1600CST.</p>				
POTTER COUNTY --- 9.7 N AMARILLO [35.34, -101.81]				
	08/01/18 17:44 CST	0		Thunderstorm Wind (MG 53 kt)
	08/01/18 17:44 CST	0		Source: Mesonet
POTTER COUNTY --- 7.5 NNW AMARILLO [35.30, -101.87]				
	08/01/18 18:04 CST	0		Hail (0.88 in)
	08/01/18 18:04 CST	0		Source: Broadcast Media
POTTER COUNTY --- 7.7 NNW AMARILLO [35.30, -101.88]				
	08/01/18 18:04 CST	0		Hail (0.75 in)
	08/01/18 18:04 CST	0		Source: Fire Department/Rescue
Late report of a carport being destroyed due to thunderstorm winds. In addition, dime size hail reported. Time estimated from radar.				
POTTER COUNTY --- 7.7 NNW AMARILLO [35.30, -101.88]				

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	08/01/18 18:04 CST		0	Thunderstorm Wind (EG 52 kt)
	08/01/18 18:04 CST		0	Source: Fire Department/Rescue

Late report of a carport being destroyed due to thunderstorm winds. In addition, dime size hail reported. Time estimated from radar.

POTTER COUNTY --- 8.3 NNW AMARILLO [35.31, -101.88]

08/01/18 18:04 CST	0	Thunderstorm Wind (EG 52 kt)
08/01/18 18:04 CST	0	Source: Fire Department/Rescue

Late report received of roof blown off home. Time estimated from radar.

POTTER COUNTY --- 8.4 WNW AMARILLO [35.26, -101.95]

08/01/18 18:06 CST	0	Thunderstorm Wind (EG 52 kt)
08/01/18 18:06 CST	0	Source: Trained Spotter

Late report of wind gust and blowing dust in association with thunderstorm. Time estimated from radar.

RANDALL COUNTY --- 11.5 NNW CANYON [35.12, -102.03]

08/01/18 18:35 CST	0	Thunderstorm Wind (EG 52 kt)
08/01/18 18:35 CST	0	Source: Fire Department/Rescue

One home under construction suffered damage. Time estimated based on radar data.

RANDALL COUNTY --- 12.6 N UMBARGER [35.13, -102.14]

08/01/18 18:37 CST	0	Thunderstorm Wind (EG 52 kt)
08/01/18 18:37 CST	0	Source: Fire Department/Rescue

One power pole blown down, resulting in a nearby fire. Time estimated based on radar data.

RANDALL COUNTY --- 2.6 ENE UMBARGER [34.97, -102.06]

08/01/18 18:53 CST	0	Thunderstorm Wind (MG 60 kt)
08/01/18 18:53 CST	0	Source: Broadcast Media

RANDALL COUNTY --- 3.0 NNE UMBARGER [34.99, -102.08]

08/01/18 18:54 CST	0	Thunderstorm Wind (MG 69 kt)
08/01/18 18:54 CST	0	Source: Mesonet

Moderate instability and wind shear combined with a disturbance in northwest flow aloft and good surface moisture allowed supercells to develop in the northwest Panhandles and move south. Damaging winds and hail were produced with damage to structures reported.

(TX-Z006) HARTLEY

08/12/18 17:42 CST	0	Wildfire
08/12/18 20:32 CST	0	

The 0000118 Wildfire began about eleven miles west of Hartley Texas in Hartley County around 1742CST. The wildfire consumed four hundred and fifty-one acres and there were no reports of any homes or other structures either threatened or destroyed by the wildfire. There were also no reports of any injuries or fatalities. The wildfire was controlled around 2032CST.

GRAY COUNTY --- 3.1 SE PAMPA LEFORS ARPT [35.59, -100.96]

08/14/18 15:38 CST	0	Hail (1.50 in)
08/14/18 15:38 CST	0	Source: Emergency Manager

Emergency Manager reported ping[pong ball size hail.

GRAY COUNTY --- 3.8 NNE PAMPA [35.58, -100.94]

08/14/18 15:43 CST	0	Hail (1.50 in)
08/14/18 15:43 CST	0	Source: Public

Accumulating ping pong ball size hail, with damage sustained to cars and golf carts.

GRAY COUNTY --- 2.8 NNE PAMPA [35.57, -100.96]

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	08/14/18 15:45 CST		0	Hail (1.75 in)
	08/14/18 15:45 CST		0	Source: Emergency Manager
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GRAY COUNTY --- 4.0 ESE PAMPA LEFORS ARPT [35.59, -100.94]				
	08/14/18 15:45 CST		0	Hail (1.75 in)
	08/14/18 15:45 CST		0	Source: Emergency Manager
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GRAY COUNTY --- 2.7 NE PAMPA [35.56, -100.94]				
	08/14/18 15:55 CST		0	Hail (2.50 in)
	08/14/18 15:55 CST		0	Source: Emergency Manager
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GRAY COUNTY --- 3.0 NNE PAMPA [35.57, -100.95]				
	08/14/18 15:55 CST		0	Hail (1.75 in)
	08/14/18 15:55 CST		0	Source: Emergency Manager
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CARSON COUNTY --- 0.6 W GROOM [35.20, -101.11]				
	08/14/18 17:03 CST		0	Thunderstorm Wind (EG 50 kt)
	08/14/18 17:03 CST		0	Source: Emergency Manager
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Power outages reported in and around Groom. Tree limbs down across town. Schoolnet site in Groom reported a 58 MPH wind gust.				
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CARSON COUNTY --- 0.7 N GROOM [35.21, -101.10]				
	08/14/18 17:20 CST		0	Hail (0.88 in)
	08/14/18 17:20 CST		0	Source: Public
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DEAF SMITH COUNTY --- 2.4 NNE DAWN [34.95, -102.18]				
	08/14/18 19:37 CST		0	Hail (1.00 in)
	08/14/18 19:37 CST		0	Source: Fire Department/Rescue
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<p>High instability and low to moderate shear environment helped to generate supercells across portions of the eastern Texas Panhandle. A disturbance in northwest upper level flow triggered these thunderstorms that initially produced large and in some cases accumulating hail up to tennis ball size. The storm generated an outflow that raced southwest and formed loose line segments that eventually caused damaging winds and hail up to quarter sized.</p>				
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HUTCHINSON COUNTY --- 1.4 S PRINGLE [35.93, -101.45]				
	08/17/18 14:03 CST		0	Hail (1.75 in)
	08/17/18 14:03 CST		0	Source: Trained Spotter
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HUTCHINSON COUNTY --- 1.5 NNE STINNETT [35.84, -101.44]				
	08/17/18 14:28 CST		0	Hail (1.00 in)
	08/17/18 14:28 CST		0	Source: Emergency Manager
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HUTCHINSON COUNTY --- 1.4 N STINNETT [35.84, -101.45]				
	08/17/18 14:32 CST		0	Thunderstorm Wind (MG 51 kt)
	08/17/18 14:32 CST		0	Source: Mesonet
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HUTCHINSON COUNTY --- 1.5 NNE STINNETT [35.84, -101.44], 0.6 ESE STINNETT [35.82, -101.44], 0.5 SSW STINNETT [35.81, -101.45], 1.4 N STINNETT [35.84, -101.45]				
	08/17/18 14:44 CST		0	Flash Flood (due to Heavy Rain)
	08/17/18 14:53 CST		0	Source: Emergency Manager
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Major street flooding in Stinnett. One foot of fast flowing water over some roads in town with water well up into residents yards. Rainfall of 1.53" in 40 minutes at nearby West Texas Mesonet site. Emergency manager reported water flowing into home with garage and utility rooms completely flooded.				
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HUTCHINSON COUNTY --- 2.9 ENE STINNETT [35.83, -101.40], 2.9 ENE STINNETT [35.83, -101.40], 2.7 ENE STINNETT [35.83, -101.40], 2.7 ENE STINNETT [35.83, -101.40]				
	08/17/18 15:00 CST		0	Flash Flood (due to Heavy Rain)
	08/17/18 15:00 CST		0	Source: Emergency Manager

Road was impassible and closed due to 2 feet of rapidly running water across 1526 at a creek crossing.

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MOORE COUNTY --- 5.0 W SUNRAY [36.02, -101.82]				
	08/17/18 15:16 CST		0	Thunderstorm Wind (MG 58 kt)
	08/17/18 15:16 CST		0	Source: Broadcast Media

Spotters in Sunray confirmed wind gusts likely over 60 mph.

DALLAM COUNTY --- 4.3 NW DALHART [36.11, -102.58]				
	08/17/18 16:48 CST		0	Hail (0.88 in)
	08/17/18 16:48 CST		0	Source: Trained Spotter

High instability but low wind shear environment across the region did set up for thunderstorms to develop across portions of the Texas Panhandle. Thunderstorms that developed would be very slow moving to nearly stationary. The combination of a weak surface boundary, high moisture and slow storm movement, led to flash flooding. The more intense storms did produce large hail and severe wind gusts.

HARTLEY COUNTY --- 0.7 N (DHT)DALHART MUNI AR [36.03, -102.55]				
	08/21/18 20:55 CST		0	Thunderstorm Wind (MG 53 kt)
	08/21/18 20:55 CST		0	Source: ASOS

A disturbance moved over a weak ridge over the Texas/New Mexico border by the afternoon of the 21st. High instability and moderate wind shear set the stage for thunderstorms developing over the high terrain to the west to be maintained over the northwestern Panhandles in a favorable environment. With better organized ingredients plus the loss of daytime heating, cellular thunderstorms across New Mexico and Colorado congealed into a bowing line segment and moved southeast across the western OK Panhandle and NW Texas Panhandle. Severe wind gusts were reported across the aforementioned areas along with flooding in the town of Keyes in the western OK Panhandle.

OCHILTREE COUNTY --- 2.4 NW PERRYTON [36.43, -100.83], 3.2 SSW PERRYTON [36.36, -100.83], 3.0 SSE PERRYTON [36.36, -100.78], 2.2 NNE PERRYTON [36.43, -100.78]				
	08/22/18 21:42 CST		0	Flash Flood (due to Heavy Rain)
	08/22/18 21:42 CST		0	Source: Law Enforcement

Cars flooded out due to running water over roadways in N Perryton. Three-quarters of a mile of us highway 83 covered with flowing water, and water making contact with Wright elementary school.

Weak steering wind flow, high instability and low to moderate wind shear allowed a cluster of thunderstorms to develop across the northeastern TX Panhandle. With very weak flow, thunderstorms were very slow to move and caused flash flooding across portions of the aforementioned region.