

Storm Data and Unusual Weather Phenomena - March 2019

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

(OK-Z001) CIMARRON, (OK-Z002) TEXAS, (OK-Z003) BEAVER

	03/13/19 09:00 CST	0	High Wind (MAX 59 kt)
	03/14/19 00:00 CST	0	

A strong surface low pressure system developed over western Kansas during the day on the 13th. Areas south of the surface low across the Panhandles, due to the low pressure system rapidly intensifying, experienced very strong westerly and southwesterly winds. Many areas reported high sustained winds and wind gusts throughout the day with some gusts around 80 MPH. As a result, wind damage was reported including semis being overturned across the Panhandles. This also included a local media source stating at one point 22,000 customers were without power across the Texas Panhandle due to the strong winds.

TEXAS COUNTY --- 0.9 SE HOOKER [36.86, -101.21]

	03/22/19 15:23 CST	0	Thunderstorm Wind (EG 52 kt)
	03/22/19 15:23 CST	0	Source: Emergency Manager

Thunderstorm wind caused damage to brick building.

A strong upper level system moved across New Mexico approaching the western panhandles by the evening of the 22nd. Out ahead of the main upper level system, low level moisture along with sufficient instability allowed thunderstorms to develop. Initial thunderstorm development was super-cellular where large hail and damaging winds were reported along with 2 tornadoes across the western TX Panhandle. Later into the evening with a linear wind profile, storms congealed into a line where large hail and damaging winds continued into the early evening. Along the line, a third tornado formed west of Canyon, TX. Thunderstorms then moved east and weakened before going into the late evening.

TEXAS, North Panhandle

(TX-Z011) OLDHAM, (TX-Z012) POTTER, (TX-Z013) CARSON, (TX-Z016) DEAF SMITH, (TX-Z017) RANDALL COUNTY, (TX-Z018) ARMSTRONG

	03/09/19 01:03 CST	0	High Wind (MAX 63 kt)
	03/09/19 04:00 CST	0	

In the early morning hours on the 9th of March, an upper level system was working its way east across the Oklahoma and northern Texas Panhandle. This upper level feature helped to develop a surface low across western Kansas. With a tighten height gradient setting up south of the surface low across the Panhandles, high winds through the early morning hours on the 9th was the result. Winds sustained over 40 MPH at times with gusts for some areas in the SW TX Panhandle around 70 MPH.

(TX-Z001) DALLAM, (TX-Z002) SHERMAN, (TX-Z003) HANSFORD, (TX-Z004) OCHILTREE, (TX-Z005) LIPSCOMB, (TX-Z006) HARTLEY, (TX-Z007) MOORE, (TX-Z008) HUTCHINSON, (TX-Z009) ROBERTS, (TX-Z010) HEMPHILL, (TX-Z011) OLDHAM, (TX-Z012) POTTER, (TX-Z013) CARSON, (TX-Z014) GRAY, (TX-Z015) WHEELER, (TX-Z016) DEAF SMITH, (TX-Z017) RANDALL COUNTY, (TX-Z018) ARMSTRONG, (TX-Z019) DONLEY, (TX-Z020) COLLINGSWORTH, (TX-Z317) PALO DORO CANYON

	03/13/19 09:00 CST	0	High Wind (MAX 58 kt)
	03/14/19 00:00 CST	0	

A strong surface low pressure system developed over western Kansas during the day on the 13th. Areas south of the surface low across the Panhandles, due to the low pressure system rapidly intensifying, experienced very strong westerly and southwesterly winds. Many areas reported high sustained winds and wind gusts throughout the day with some gusts around 80 MPH. As a result, wind damage was reported including semis being overturned across the Panhandles. This also included a local media source stating at one point 22,000 customers were without power across the Texas Panhandle due to the strong winds.

HARTLEY COUNTY --- 2.7 NE MIDDLE WATER [35.88, -102.75]

	03/22/19 15:06 CST	0	Hail (1.00 in)
	03/22/19 15:06 CST	0	Source: Trained Spotter

Trained spotter reported quarter size hail with thunderstorm.

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

	03/22/19 15:41 CST	0	Thunderstorm Wind (MG 50 kt)
	03/22/19 15:41 CST	0	Source: Mesonet

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HARTLEY COUNTY --- 4.0 E HARTLEY [35.87, -102.33]				
	03/22/19 15:51 CST	0		Hail (1.75 in)
	03/22/19 15:51 CST	0		Source: Trained Spotter
Golf ball size hail reported by a trained spotter.				
HARTLEY COUNTY --- 8.7 ESE HARTLEY [35.85, -102.25]				
	03/22/19 16:02 CST	0		Hail (1.00 in)
	03/22/19 16:02 CST	0		Source: Trained Spotter
Storm chaser reporting quarter size hail with accumulation on area roadways.				
MOORE COUNTY --- 9.0 WNW DUMAS MUNI ARPT [35.92, -102.16], 7.7 WNW DUMAS MUNI ARPT [35.90, -102.14]				
	03/22/19 16:12 CST	0		Tornado (EFU, L: 1.48 mi , W: 200 yd)
	03/22/19 16:14 CST	0		Source: NWS Storm Survey
No damage observed. Track and times estimated based on three separate videos and pictures.				
OLDHAM COUNTY --- 1.7 S VEGA [35.23, -102.43], 1.5 SSE VEGA [35.23, -102.42]				
	03/22/19 16:43 CST	0		Tornado (EFU, L: 0.64 mi , W: 40 yd)
	03/22/19 16:44 CST	0		Source: NWS Storm Survey
No damage observed. Track and times estimated based on three separate videos and pictures.				
DEAF SMITH COUNTY --- 8.5 NNW MILO CENTER [35.10, -102.43]				
	03/22/19 16:51 CST	0		Hail (1.75 in)
	03/22/19 16:51 CST	0		Source: Trained Spotter
DEAF SMITH COUNTY --- 9.5 WSW WALCOTT [34.89, -102.99]				
	03/22/19 17:07 CST	0		Thunderstorm Wind (MG 51 kt)
	03/22/19 17:07 CST	0		Source: Mesonet
DEAF SMITH COUNTY --- 17.0 NE MILO CENTER [35.17, -102.21]				
	03/22/19 17:21 CST	0		Hail (1.00 in)
	03/22/19 17:21 CST	0		Source: Trained Spotter
DEAF SMITH COUNTY --- 14.5 N DAWN [35.13, -102.20]				
	03/22/19 17:22 CST	0		Hail (1.50 in)
	03/22/19 17:22 CST	0		Source: Trained Spotter
POTTER COUNTY --- 3.7 WNW BUSHLAND [35.20, -102.13]				
	03/22/19 17:40 CST	0		Hail (0.88 in)
	03/22/19 17:40 CST	0		Source: Storm Chaser
POTTER COUNTY --- 2.8 NNE BUSHLAND [35.22, -102.06]				
	03/22/19 17:42 CST	0		Hail (0.88 in)
	03/22/19 17:42 CST	0		Source: Public
The hail was accumulating on the ground.				
DEAF SMITH COUNTY --- 4.8 SW HEREFORD [34.77, -102.46]				
	03/22/19 17:50 CST	0		Hail (1.50 in)
	03/22/19 17:50 CST	0		Source: Fire Department/Rescue
DEAF SMITH COUNTY --- 1.8 WNW HEREFORD [34.83, -102.43]				
	03/22/19 18:00 CST	0		Thunderstorm Wind (MG 58 kt)
	03/22/19 18:00 CST	0		Source: Mesonet

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RANDALL COUNTY --- 6.5 WSW AMARILLO [35.17, -101.93]				
	03/22/19 18:02 CST		0	Thunderstorm Wind (MG 52 kt)
	03/22/19 18:02 CST		0	Source: Trained Spotter
POTTER COUNTY --- 6.6 NW AMARILLO [35.26, -101.91]				
	03/22/19 18:03 CST		0	Hail (1.00 in)
	03/22/19 18:03 CST		0	Source: Trained Spotter
Hail is accumulating on the ground, several inches deep.				
DEAF SMITH COUNTY --- HEREFORD [34.82, -102.40]				
	03/22/19 18:07 CST		0	Hail (2.75 in)
	03/22/19 18:07 CST		0	Source: Fire Department/Rescue
RANDALL COUNTY --- 5.3 SW AMARILLO [35.15, -101.89]				
	03/22/19 18:17 CST		0	Hail (0.75 in)
	03/22/19 18:17 CST		0	Source: NWS Employee
Accumulating hail was reported in south Amarillo.				
POTTER COUNTY --- 3.5 N (AMA)AMARILLO INTL A [35.27, -101.73]				
	03/22/19 18:31 CST		0	Hail (1.50 in)
	03/22/19 18:31 CST		0	Source: Broadcast Media
DEAF SMITH COUNTY --- HEREFORD [34.82, -102.40]				
	03/22/19 18:32 CST		0	Hail (1.50 in)
	03/22/19 18:32 CST		0	Source: Social Media
DEAF SMITH COUNTY --- 2.4 SE HEREFORD [34.79, -102.37], 2.5 NE HEREFORD [34.85, -102.37], 2.9 NW HEREFORD [34.85, -102.44], 2.7 SW HEREFORD [34.80, -102.44]				
	03/22/19 18:45 CST		0	Flood (due to Heavy Rain)
	03/22/19 18:45 CST		0	Source: Emergency Manager
Area roadways, were flooding in the city of Hereford.				
RANDALL COUNTY --- 5.4 E UMBARGER [34.94, -102.01], 4.5 SW CANYON [34.93, -101.97]				
	03/22/19 18:57 CST		0	Tornado (EFU, L: 2.08 mi , W: 50 yd)
	03/22/19 19:01 CST		0	Source: NWS Storm Survey
No damage observed. Track and times estimated based on three separate videos and pictures.				
RANDALL COUNTY --- 1.8 WNW CANYON [34.99, -101.95]				
	03/22/19 19:02 CST		0	Hail (1.50 in)
	03/22/19 19:02 CST		0	Source: NWS Employee
Late report of ping pong ball size hail, with video confirmation of time.				
RANDALL COUNTY --- 3.6 NE UMBARGER [34.99, -102.06]				
	03/22/19 19:03 CST		0	Hail (1.75 in)
	03/22/19 19:03 CST		0	Source: Trained Spotter
Report received from spotter network.				
RANDALL COUNTY --- 4.6 W CANYON [34.99, -102.00]				
	03/22/19 19:05 CST		0	Hail (2.50 in)
	03/22/19 19:05 CST		0	Source: Storm Chaser
RANDALL COUNTY --- 1.8 WNW CANYON [34.99, -101.95]				

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	03/22/19 19:07 CST		0	Hail (1.00 in)
	03/22/19 19:07 CST		0	Source: Public

Reported by "mping".

RANDALL COUNTY --- 1.4 N CANYON [35.00, -101.92]

	03/22/19 19:08 CST		0	Hail (2.50 in)
	03/22/19 19:08 CST		0	Source: Trained Spotter

Report received spotter network.

RANDALL COUNTY --- 4.2 N CANYON [35.04, -101.92]

	03/22/19 19:13 CST		0	Hail (1.00 in)
	03/22/19 19:13 CST		0	Source: Public

RANDALL COUNTY --- 2.3 E CANYON [34.98, -101.88]

	03/22/19 19:15 CST		0	Hail (1.00 in)
	03/22/19 19:15 CST		0	Source: Trained Spotter

Highway is covered with hail up to the size of quarters.

RANDALL COUNTY --- 1.5 NNW LAKE TANGLEWOOD [35.08, -101.79]

	03/22/19 19:22 CST		0	Hail (1.00 in)
	03/22/19 19:22 CST		0	Source: Public

RANDALL COUNTY --- 1.4 S LAKE TANGLEWOOD [35.04, -101.78]

	03/22/19 19:24 CST		0	Hail (0.75 in)
	03/22/19 19:24 CST		0	Source: Public

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

	03/22/19 19:29 CST		0	Hail (1.25 in)
	03/22/19 19:29 CST		0	Source: Public

ARMSTRONG COUNTY --- 4.0 E GOODNIGHT [35.03, -101.13]

	03/22/19 20:45 CST		0	Hail (2.50 in)
	03/22/19 20:45 CST		0	Source: Broadcast Media

Golf ball up to tennis ball size hail on Highway 287 east of Goodnight resulted in a cracked windshield.

DONLEY COUNTY --- 2.1 SSE HOWARDWICK [35.04, -100.91]

	03/22/19 21:02 CST		0	Hail (1.00 in)
	03/22/19 21:02 CST		0	Source: Trained Spotter

A strong upper level system moved across New Mexico approaching the western panhandles by the evening of the 22nd. Out ahead of the main upper level system, low level moisture along with sufficient instability allowed thunderstorms to develop. Initial thunderstorm development was super-cellular where large hail and damaging winds were reported along with 2 tornadoes across the western TX Panhandle. Later into the evening with a linear wind profile, storms congealed into a line where large hail and damaging winds continued into the early evening. Along the line, a third tornado formed west of Canyon, TX. Thunderstorms then moved east and weakened before going into the late evening.

OCHILTREE COUNTY --- 1.1 E WAKA [36.28, -101.03]

	03/27/19 18:28 CST		0	Hail (1.00 in)
	03/27/19 18:28 CST		0	Source: Storm Chaser

Storm chaser for KAMR sent in a picture of hail the size of a quarter.

OCHILTREE COUNTY --- 2.7 NW FARNSWORTH [36.31, -101.00]

	03/27/19 18:35 CST		0	Hail (1.00 in)
	03/27/19 18:35 CST		0	Source: Trained Spotter

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OCHILTREE COUNTY --- 6.2 S PERRYTON [36.31, -100.80]

03/27/19 19:13 CST	0	Hail (1.00 in)
03/27/19 19:13 CST	0	Source: Storm Chaser

Storm chaser for KAMR reported mostly nickel but some slightly larger hail at the corner of the 70 and 83 intersection about 7 miles south of Perryton.

A dryline set up across the central Panhandles during the afternoon of the 27th. Winds converged at the surface and with cold temperatures aloft, a supercell was able to form and dropped severe hail in the northern TX Panhandle. Given limited instability and winds that were not too favorable, only one supercell formed that day.