

## Storm Data and Unusual Weather Phenomena - December 2018

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

	12/13/18 00:00 CST	0		High Wind (MAX 38 kt)
	12/13/18 18:00 CST	0		

A mid/upper level low quickly moved east across the Rolling Plains of Texas in the afternoon hours of the 13th. Very strong low level winds fields are the result of rapid pressure falls as the low continues to strengthen through the evening hours. As a result, high wind criteria (sustained winds 40 MPH or greater and/or wind gusts greater or equal to 58 MPH) occurred all across the Texas and Oklahoma Panhandles.

#### (OK-Z001) CIMARRON, (OK-Z002) TEXAS

	12/27/18 01:16 CST	0		Winter Storm
	12/27/18 12:00 CST	0		

On the backside of the departing low pressure system, there was strong cold air advection into the region and with good moisture aloft and at the surface coupled that with forcing, this resulted in accumulating snow for the western and central Oklahoma Panhandle where as much as up to 10" of snowfall fell throughout the morning of the 27th before the system exited the afternoon of the 27th.

### TEXAS, North Panhandle

#### (TX-Z001) DALLAM

	12/01/18 13:55 CST	0		Wildfire
	12/01/18 16:44 CST	0		

Dec 1: The 0000168 Wildfire began 1355CST about six miles southwest of Conlen Texas in Dallam County off US Highway 54 East. The wildfire consumed three hundred and seventy-nine acres and was caused by equipment use. The Dalhart VFD responded to the wildfire which was controlled at 1644CST. There were no reports of any injuries or fatalities. There were also no reports of any homes or other structures damaged or lost from the wildfire.

#### (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) OLDDHAM, (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

	12/13/18 00:00 CST	0		High Wind (MAX 57 kt)
	12/13/18 18:00 CST	0		

A mid/upper level low quickly moved east across the Rolling Plains of Texas in the afternoon hours of the 13th. Very strong low level winds fields are the result of rapid pressure falls as the low continues to strengthen through the evening hours. As a result, high wind criteria (sustained winds 40 MPH or greater and/or wind gusts greater or equal to 58 MPH) occurred all across the Texas and Oklahoma Panhandles.

#### (TX-Z019) DONLEY

	12/13/18 13:45 CST	0		Wildfire
	12/13/18 18:10 CST	0		

The Grass Fire 287 & 20 wildfire began at 1345CST about three miles southeast of Lelia Lake Texas in Donley County just south of U.S. Highway 287 and then east right off of County Road 20. The wildfire consumed six hundred and forty acres and was caused by downed power lines. The wildfire began from U.S. Highway 287 to County Road X and then from County Road 20 to two-thirds of the way to County Road 22. There were no reports of structures were lost, however two homes were threatened but were saved. There was a report of pasture and some fence damage. There were no reports of any injuries or fatalities. The Clarendon VFD and the Memphis Fire Department responded to the wildfire which was contained and controlled at 1810CST.

#### RANDALL COUNTY --- 5.8 WNW CANYON [35.02, -102.01]

	12/26/18 15:01 CST	0		Hail (0.75 in)
	12/26/18 15:01 CST	0		Source: Public

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Penny sized hail reported near the city of Canyon.				
<b>RANDALL COUNTY --- 6.3 NW CANYON [35.05, -101.99]</b>				
	12/26/18 15:06 CST	0		Hail (1.00 in)
	12/26/18 15:06 CST	0		Source: Trained Spotter
Quarter sized hail reported just south of the Randall County feed yard.				
<b>RANDALL COUNTY --- 7.1 WSW AMARILLO [35.17, -101.94]</b>				
	12/26/18 15:21 CST	0		Hail (0.75 in)
	12/26/18 15:21 CST	0		Source: NWS Employee
<b>POTTER COUNTY --- 6.3 E BUSHLAND [35.19, -101.96]</b>				
	12/26/18 16:02 CST	0		Hail (0.75 in)
	12/26/18 16:02 CST	0		Source: Trained Spotter
Penny sized hail near i-40 and Helium Road, just west of Amarillo.				
<b>DONLEY COUNTY --- 0.3 ENE CLARENDON [34.93, -100.89], 0.9 ENE CLARENDON [34.93, -100.88]</b>				
	12/26/18 16:23 CST	0		Tornado (EF0, L: 0.57 mi , W: 100 yd)
	12/26/18 16:24 CST	0		Source: NWS Storm Survey
Storm survey showed damage was relatively minor and consisted of many small and some large broken tree limbs along with a few peeled up shingles and sheet metal damage. The more significant damage occurred along a 50-100 yard wide and 1/2 mile long path which extended from southwest to northeast across the southeast side of Clarendon. The presence of a relatively narrow damage path was consistent with a weak tornado embedded within a line of storms.				
<b>(TX-Z001) DALLAM, (TX-Z002) SHERMAN</b>				
	12/27/18 03:07 CST	0		Winter Storm
	12/27/18 12:00 CST	0		

An active day of weather across parts of the Texas Panhandles starting with severe weather and ending with winter weather. An upper level low pressure system moved into the northwestern TX Panhandle the afternoon of the 26th. South-southeast low level flow brought moisture into the region along with favorable wind profile throughout atmosphere and sunshine breaking out allowed thunderstorms to develop. The ingredients were there to produce some severe thunderstorms with hail measured up to quarters. One thunderstorms also did produce a weak, short tracked tornado in the southeast Panhandle. On the backside of the departing low pressure system, there was strong cold air advection into the region and with good moisture aloft and at the surface coupled that with forcing, this resulted in accumulating snow for the northwest Texas Panhandle where 6-8" of snowfall fell throughout the morning of the 27th before the system exited the afternoon of the 27th.