

## Storm Data and Unusual Weather Phenomena - October 2017

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>OKLAHOMA, Panhandle</b>				
<b>TEXAS COUNTY --- 0.7 S GOODWELL [36.59, -101.63]</b>				
	10/06/17 18:02 CST	0		Hail (0.88 in)
	10/06/17 18:02 CST	0		Source: Trained Spotter
<b>BEAVER COUNTY --- 4.1 NNW LOGAN [36.62, -100.26]</b>				
	10/06/17 20:05 CST	0		Thunderstorm Wind (MG 57 kt)
	10/06/17 20:05 CST	0		Source: Mesonet
<p>An upper level disturbance working SE out of southern Colorado would eventually be the catalyst for linear thunderstorms later on in the evening. In the mid afternoon hours on the 6th, a very small window early in the event allowed for supercell formation with SBCAPE of around 3000 J/Kg and MUCAPE of around 1000 J/kg/ Although 850-700 hPa moisture axis across the central Panhandles was prevalent, storms did have a tough time breaking through the cap with the main mid level forcing being back to the west near upper level trough in CO and north near the cold front in southern Kansas. However, with daytime heating, a few cells developed and produced some hail up to half dollar size. Eventually as the main upper level piece of energy moved SE across the Panhandles in-conjunction with the cold front moving south provided enough lift for a line of storms to develop with several damaging wind to powerlines and severe wind gusts reported.</p>				
<b>(OK-Z001) CIMARRON</b>				
	10/09/17 20:00 CST	0		Frost/Freeze
	10/10/17 09:00 CST	0		
Freeze confirmed with a range of 29-30 degrees at Kenton and Boise City.				
<b>(OK-Z001) CIMARRON, (OK-Z002) TEXAS</b>				
	10/09/17 23:00 CST	0		Frost/Freeze
	10/10/17 08:00 CST	0		
Repeat Freeze for Cimarron County with first Freeze of season for Texas County with temperatures ranging from 27-31 degrees for many locations.				
<b>(OK-Z002) TEXAS, (OK-Z003) BEAVER</b>				
	10/27/17 00:00 CST	0		Frost/Freeze
	10/27/17 09:00 CST	0		
Repeat Freeze for Texas county with first Freeze of season for Beaver County with low temperatures around 28 degrees.				
<b>TEXAS, North Panhandle</b>				
<b>LIPSCOMB COUNTY --- 0.9 NW BOOKER [36.46, -100.54]</b>				
	10/06/17 19:50 CST	0		Hail (1.25 in)
	10/06/17 19:50 CST	0		Source: Public
Social media post showed hail the size from nickels to half dollars.				
<b>HANSFORD COUNTY --- 1.3 ESE SPEARMAN [36.19, -101.18]</b>				
	10/06/17 20:03 CST	0		Thunderstorm Wind (MG 51 kt)
	10/06/17 20:03 CST	0		Source: Broadcast Media
Spearman KVII schoolnet site reported 59 mph wind gust and local law enforcement reported tree limbs down in town.				
<b>POTTER COUNTY --- 2.1 N AMARILLO [35.23, -101.82]</b>				
	10/06/17 20:17 CST	0		Thunderstorm Wind (MG 51 kt)
	10/06/17 20:17 CST	0		Source: Broadcast Media

At Wonderland Park.

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<b>POTTER COUNTY --- 4.4 NE (AMA)AMARILLO INTL A [35.26, -101.66]</b>	10/06/17 20:35 CST		0	Thunderstorm Wind (EG 52 kt)
	10/06/17 20:35 CST		0	Source: Emergency Manager
Dual power poles snapped due to damaging wind from a thunderstorm.				
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<b>POTTER COUNTY --- 2.8 N AMARILLO [35.24, -101.82]</b>	10/06/17 20:36 CST		0	Thunderstorm Wind (EG 52 kt)
	10/06/17 20:36 CST		0	Source: Emergency Manager
Trees and power lines down on Mirror Street between NE 20th and NE 24th avenues.				
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<b>CARSON COUNTY --- 1.5 SSW PANHANDLE [35.33, -101.39]</b>	10/06/17 20:51 CST		0	Thunderstorm Wind (MG 55 kt)
	10/06/17 20:51 CST		0	Source: Mesonet
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<b>CARSON COUNTY --- 0.6 E WHITE DEER [35.43, -101.17]</b>	10/06/17 21:00 CST		0	Thunderstorm Wind (EG 52 kt)
	10/06/17 21:00 CST		0	Source: Broadcast Media
Power lines blown down in White Deer. Power is out. Time estimated by radar.				
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<b>ROBERTS COUNTY --- 10.0 NNW MIAMI [35.83, -100.71]</b>	10/06/17 21:02 CST		0	Thunderstorm Wind (EG 52 kt)
	10/06/17 21:02 CST		0	Source: Trained Spotter
Post event report spotter estimated winds to be around 50 gusting 60-65. There were tree limbs down one 3 to 4 inches in diameter.				
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<b>(TX-Z001) DALLAM, (TX-Z006) HARTLEY</b>	10/09/17 20:00 CST		0	Frost/Freeze
	10/10/17 09:00 CST		0	
Freeze confirmed at Dalhart down to 31 degrees the morning of the 10th. Missed event for Deaf Smith county where areas around county including Bootleg ranged between 29-32 degrees.				
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<b>(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-Z011) OLDHAM, (TX-Z012) POTTER, (TX-Z013) CARSON, (TX-Z016) DEAF SMITH, (TX-Z017) RANDALL</b>	10/27/17 00:00 CST		0	Frost/Freeze
	10/27/17 09:00 CST		0	
First freeze of the season for much of the SW, central, and NE Texas Panhandle with the exception of the SE TX Panhandle. Temperatures ranged from 28-32 degrees.				