

Storm Data and Unusual Weather Phenomena - September 2017

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

CIMARRON COUNTY --- 0.7 N BOISE CITY [36.74, -102.52]

	09/01/17 16:28 CST	0		Hail (1.00 in)
	09/01/17 16:28 CST	0		Source: Trained Spotter

Some hail stones were slightly larger than a Quarter.

CIMARRON COUNTY --- 0.6 E BOISE CITY [36.73, -102.51]

	09/01/17 16:41 CST	0		Hail (0.75 in)
	09/01/17 16:41 CST	0		Source: Emergency Manager

Hail covering ground.

Diurnal convection moving east out of New Mexico helped to spark convection across the far western OK Panhandle. downstream of the 700 hPa trough axis across western OK Panhandle, a few cells developed and with a good mid level moisture pool and CAPE around 1000 J/kg, a few hail reports were the result before storms moved southeast and weakened.

CIMARRON COUNTY --- 7.7 NNE GRIGGS [36.70, -102.06]

	09/22/17 18:24 CST	0		Hail (0.88 in)
	09/22/17 18:24 CST	0		Source: Trained Spotter

Lots of pea size hail with some nickel size hail mixed in.

CIMARRON COUNTY --- 8.3 NNE GRIGGS [36.71, -102.06]

	09/22/17 18:24 CST	0		Thunderstorm Wind (EG 52 kt)
	09/22/17 18:24 CST	0		Source: Trained Spotter

Five power poles downed.

A deep positive tilted trough helped to provide a SSW low level jet of 35-45 kts over the western Panhandles. This helped to advect low level moisture into the region. With good CAPE and good shear, individual cells developed along the western Panhandles and moved northward along a surface trough axis. Hail and a damaging wind report was documented in the western Oklahoma Panhandle.

TEXAS, North Panhandle

CARSON COUNTY --- 3.7 WNW GROOM [35.22, -101.16]

	09/16/17 16:10 CST	0		Thunderstorm Wind (EG 52 kt)
	09/16/17 16:10 CST	0		Source: Trained Spotter

Three inch diameter tree limbs knocked down from healthy tree.

Storms fired along a residual outflow boundary draped SW to NE across the southern TX Panhandle. With 850-700 hPa converging along the boundary with CAPE around 1000 J/Kg, storm developed and moved NE across the boundary bringing a complex of storms with a severe wind gust report.

OLDHAM COUNTY --- 3.5 WNW ADRIAN [35.28, -102.74]

	09/17/17 16:28 CST	0		Hail (1.50 in)
	09/17/17 16:28 CST	0		Source: Trained Spotter

Hail covering the ground.

A shortwave trough moving east out of New Mexico assisted with great ascent and lift in the upper levels. In a high CAPE, moderate shear environment, discrete supercells formed along a northward moving outflow boundary across the western Panhandles. Large hail up to ping-pong size hail was reported.