

Storm Data and Unusual Weather Phenomena - May 2018

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
OKLAHOMA, Panhandle				
BEAVER COUNTY --- 3.0 NNE FORGAN [36.94, -100.51]				
	05/02/18 11:34 CST		0	Hail (2.50 in)
	05/02/18 11:34 CST		0	Source: Trained Spotter
BEAVER COUNTY --- ELMWOOD [36.62, -100.52]				
	05/02/18 13:22 CST		0	Hail (0.88 in)
	05/02/18 13:22 CST		0	Source: Trained Spotter
Nickel size hail and 0.75" of rainfall fell in 10 minutes.				
BEAVER COUNTY --- 3.0 NW LOGAN [36.60, -100.26]				
	05/02/18 14:25 CST		0	Thunderstorm Wind (MG 53 kt)
	05/02/18 14:25 CST		0	Source: Mesonet
<p>A deepening upper level trough over southern Nevada throughout the morning hours set the stages for active weather downstream across the Panhandles. Vertically stacked speed shear aloft out ahead of the main upper level system; in-conjunction with good lift and a rather strong Low level Jet at 850 mb of around 40 kts set the stages for linear convection to develop across the northern Panhandles along and out ahead of a surface convergence boundary. With SBCAPE around 3000 J/lg and effective bulk shear around 40-50 kts, a good environment had storms congeal into a line and move northeast. Early on, storms across the region produce hail from quarters up to tennis ball size. A second round of storms developed across the southeast Texas Panhandle with additional severe reports including a funnel cloud reported in Wheeler County. Storms quickly exited the region as early evening on the 2nd approached.</p>				
BEAVER COUNTY --- 10.0 SE ELMWOOD [36.52, -100.39]				
	05/13/18 16:00 CST		0	Hail (0.75 in)
	05/13/18 16:00 CST		0	Source: Public
BEAVER COUNTY --- 6.1 NE BALKO [36.69, -100.60]				
	05/13/18 17:20 CST		0	Hail (1.75 in)
	05/13/18 17:20 CST		0	Source: Emergency Manager
BEAVER COUNTY --- 3.0 NW LOGAN [36.60, -100.26]				
	05/13/18 18:25 CST		0	Thunderstorm Wind (MG 52 kt)
	05/13/18 18:25 CST		0	Source: Mesonet
<p>A positive tilted upper level trough digging into southern Nevada developed a 80-100 kt jet downstream of its axis. In-conjunction with 700-500 hPa perturbations in the mean flow along with a surface dryline, the ingredients were set for multi cellular thunderstorm develop along a uniform deep uni-directional flow. Other surface features included good theta-e advection along with surface winds advecting moisture east of the dryline. Clusters of supercells then developed in the afternoon hours on the 13th across the eastern panhandles given SBCAPE of 1000-2500 J/Kg. Low to moderate effective shear of around 30 kts did not give these supercells their discrete characteristics and instead developed along a loose line from southwest to northeast along the dryline. However, severe wind gusts along with hail up to the size of baseball size were still reported. Thunderstorms then moved east into western Oklahoma going into the evening hours.</p>				
CIMARRON COUNTY --- 0.6 E BOISE CITY [36.73, -102.51]				
	05/15/18 18:16 CST		0	Hail (0.88 in)
	05/15/18 18:16 CST		0	Source: Law Enforcement
TEXAS COUNTY --- 0.7 N GUYMON [36.69, -101.48]				
	05/15/18 20:26 CST		0	Hail (0.75 in)
	05/15/18 20:26 CST		0	Source: Trained Spotter

A developing strong 850-500 hPa zonal flow displaced well to the south of an anti-cyclonic feature in the northwest CONUS helped to develop convection across the region. Perturbations in the 700-500 hPa in the zonal west-east pattern developed convection off the high terrain of New Mexico. With good 700-500 mb flow of 30-50 kts in the afternoon of the 15th, this allowed the convection to be carried into the Panhandles region. With SBCAPE of 2000-3000 J/Kg along with strong effective shear approaching 50-60 kts, storms easily moved east into the Panhandles in a favorable environment. 00Z RAOB data from AMA showed also good direction shear of almost 180 degrees in the lower levels just out ahead of the convection. This lead to some storms rotating with brief funnels within some of the supercells. Damaging winds and large hail were Late report of trees up to 2 feet diameter being felled close to the trunk due to thunderstorm

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winds were produced with these storms before moving east out of the region very late on the 15th.

CIMARRON COUNTY --- WHEELESS [36.72, -102.90]

	05/16/18 15:51 CST		0	Hail (1.00 in)
	05/16/18 15:51 CST		0	Source: Trained Spotter

CIMARRON COUNTY --- 1.1 E WHEELESS [36.72, -102.88]

	05/16/18 15:53 CST		0	Hail (1.00 in)
	05/16/18 15:53 CST		0	Source: Public

Mping report.

CIMARRON COUNTY --- 2.1 NNW FELT [36.60, -102.79]

	05/16/18 17:01 CST		0	Hail (1.25 in)
	05/16/18 17:01 CST		0	Source: Storm Chaser

Spotter network report.

CIMARRON COUNTY --- 1.1 E FELT [36.57, -102.76]

	05/16/18 17:05 CST		0	Hail (1.25 in)
	05/16/18 17:05 CST		0	Source: Trained Spotter

Spotter network report.

A few supercell thunderstorms were able to develop in this both weak CAPE and moderate shear environment. With a 700 mb trough over western Nebraska moving southeastward in a 20-35 kt 500 mb flow, some storms early on in the afternoon did develop across eastern New Mexico and move east into the western OK Panhandle with severe criteria hail reported. Later into the afternoon and early evening hours, additional supercells developed across parts of the eastern TX Panhandle where south-southwesterly flow advected good surface moisture in-conjunction with a good veering wind profile to support supercells. As a result, these storms across the northeast TX Panhandle did produce hail up to golf ball size in a few instances.

BEAVER COUNTY --- 4.9 WSW FORGAN [36.87, -100.61]

	05/17/18 09:10 CST		0	Hail (1.75 in)
	05/17/18 09:10 CST		0	Source: Public

BEAVER COUNTY --- 3.9 WSW FORGAN [36.87, -100.59]

	05/17/18 09:15 CST		0	Hail (1.75 in)
	05/17/18 09:15 CST		0	Source: Local Official

BEAVER COUNTY --- 2.1 N BEAVER [36.85, -100.52]

	05/17/18 09:46 CST		0	Hail (0.75 in)
	05/17/18 09:46 CST		0	Source: Public

BEAVER COUNTY --- 4.1 ESE SLAPOUT [36.60, -100.05]

	05/17/18 11:00 CST		0	Hail (0.75 in)
	05/17/18 11:00 CST		0	Source: Trained Spotter

TEXAS COUNTY --- 6.1 NE HOUGH [36.93, -101.49]

	05/17/18 17:04 CST		0	Hail (1.00 in)
	05/17/18 17:04 CST		0	Source: Trained Spotter

BEAVER COUNTY --- BRYANS CORNER [36.62, -100.82]

	05/17/18 18:32 CST		0	Hail (1.00 in)
	05/17/18 18:32 CST		0	Source: Storm Chaser

Report relayed by NWS Norman.

Perturbation off the mean 500 mb flow downstream of a small amplitude ridge axis provided a late morning round of thunderstorms for the northeast TX/OK Panhandles. As a result, some severe criteria hail was reported. The more widespread thunderstorm activity happened on the afternoon of the 17th. A dryline setup across the western and central combined Panhandles with SE surface flow around 30-40 kts and 500 mb flow out of the west of 40-50 kts. set the stages for good lift in the atmosphere with decent directional

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<p>shear. DCAPE and MUCAPE values of around 1500 J/Kg with good mid-level lapse rates allowed supercell initial development of thunderstorms. Large hail up to 2" were reported as storms moved from west to east across the central and eastern Panhandles. Eventually, cells converged into line segments and moved out of the east transitioning into more of a wind threat entering the evening hours as storms finally moved to the east out of the region.</p>				
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BEAVER COUNTY --- 3.0 NW LOGAN [36.60, -100.26]				
	05/18/18 17:40 CST	0		Thunderstorm Wind (MG 54 kt)
	05/18/18 17:40 CST	0		Source: Mesonet
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BEAVER COUNTY --- 4.8 NW SLAPOUT [36.67, -100.18]				
	05/18/18 17:43 CST	0		Thunderstorm Wind (EG 52 kt)
	05/18/18 17:43 CST	0		Source: Trained Spotter
<p>Spotter estimated 60 mph wind gust.</p>				
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BEAVER COUNTY --- 3.0 NW LOGAN [36.60, -100.26]				
	05/18/18 17:45 CST	0		Thunderstorm Wind (MG 51 kt)
	05/18/18 17:45 CST	0		Source: Mesonet
<p>Upper level trough moving through the Four Corners region helped to strengthen gradient of moisture along a dryline across the central Panhandles. To the east of the dryline, after observing 18Z RAOB out of Amarillo, low level moisture was present with SBCAPE and MUCAPE over 2500 J/Kg with large CAPE pronounced in the hail growth zone. As the dryline shifted into the eastern Panhandles, supercells then developed producing hail as big as tennis balls reported across parts of the northeast TX Panhandle. Cells then congealed quickly into a line. Some cells initially did exhibit rotation before congealing into a line. Hail and severe wind gust reports came in as the line moved quickly to the northeastern Panhandles before exiting the region.</p>				
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(OK-Z002) TEXAS				
	05/24/18 00:40 CST	0		High Wind (MAX 56 kt)
	05/24/18 01:53 CST	0		
<p>Outflow from ongoing convection across the TX Panhandle raced northward into the Oklahoma Panhandle. This caused sustained winds over 40 MPH for an hour and a gust over 65 MPH as a result.</p>				
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TEXAS COUNTY --- 0.9 NW (GUY)GUYMON MUNI ARP [36.69, -101.51]				
	05/27/18 16:19 CST	0		Thunderstorm Wind (MG 55 kt)
	05/27/18 16:19 CST	0		Source: ASOS
<p>Two main supercells developed under moderate to strong instability, shear around 30 kt, steep mid-level lapse rates and divergence in the upper levels. Low-level jet also developed after sunset to have storms continue into the evening hours. Northern supercell across northern TX and southern OK Panhandle produce hail up to quarters and wind gusts above 60 MPH. Southern supercell across east central TX Panhandle produced up to baseball sized hail and and wind gusts up to 60 MPH.</p>				
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TEXAS COUNTY --- 6.2 N TEXHOMA [36.59, -101.78]				
	05/28/18 16:42 CST	0		Hail (0.88 in)
	05/28/18 16:42 CST	0		Source: Trained Spotter
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TEXAS COUNTY --- 6.2 N TEXHOMA [36.59, -101.78]				
	05/28/18 17:26 CST	0		Hail (1.00 in)
	05/28/18 17:26 CST	0		Source: Trained Spotter
<p>Quarters sized hail reported.</p>				
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TEXAS COUNTY --- 0.9 NW TEXHOMA [36.51, -101.79]				
	05/28/18 17:44 CST	0		Hail (1.25 in)
	05/28/18 17:44 CST	0		Source: Trained Spotter
<p>Quarter to half dollar sized hail reported.</p>				
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TEXAS COUNTY --- 0.7 S GOODWELL [36.59, -101.63]				
	05/28/18 18:04 CST	0		Hail (2.00 in)
	05/28/18 18:04 CST	0		Source: Public

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
TEXAS COUNTY --- 0.7 S GOODWELL [36.59, -101.63]				
	05/28/18 18:05 CST		0	Hail (1.25 in)
	05/28/18 18:05 CST		0	Source: Emergency Manager
Quarter to half dollar sized hail reported.				
TEXAS COUNTY --- 0.7 S GOODWELL [36.59, -101.63]				
	05/28/18 18:06 CST		0	Hail (1.75 in)
	05/28/18 18:06 CST		0	Source: Trained Spotter
TEXAS COUNTY --- 0.7 N GUYMON [36.69, -101.48]				
	05/28/18 18:32 CST		0	Hail (1.25 in)
	05/28/18 18:32 CST		0	Source: Trained Spotter
TEXAS COUNTY --- 14.9 ESE HARDESTY [36.54, -100.95]				
	05/28/18 18:37 CST		0	Hail (1.00 in)
	05/28/18 18:37 CST		0	Source: NWS Employee
TEXAS COUNTY --- 4.0 S GOODWELL [36.54, -101.64], 3.8 S GOODWELL [36.55, -101.64]				
	05/28/18 18:41 CST		0	Tornado (EF0, L: 0.26 mi , W: 50 yd)
	05/28/18 18:42 CST		0	Source: Emergency Manager
A tornado touched down just south of Goodwell, causing a damage path approximately 50 yards wide and a quarter mile long. The tornado caused a barn to collapse after lifting the roof off of it.				
TEXAS COUNTY --- 0.7 S GOODWELL [36.59, -101.63]				
	05/28/18 18:45 CST		0	Thunderstorm Wind (EG 52 kt)
	05/28/18 18:45 CST		0	Source: Emergency Manager
Roof blown off barn, and another barn collapsed near Goodwell, OK.				
TEXAS COUNTY --- 11.2 SSE ADAMS [36.61, -100.98]				
	05/28/18 18:57 CST		0	Hail (1.50 in)
	05/28/18 18:57 CST		0	Source: Amateur Radio
TEXAS COUNTY --- 9.8 SSE ADAMS [36.62, -101.01]				
	05/28/18 19:01 CST		0	Hail (1.50 in)
	05/28/18 19:01 CST		0	Source: NWS Employee
TEXAS COUNTY --- 0.7 N GUYMON [36.69, -101.48]				
	05/28/18 19:15 CST		0	Hail (1.25 in)
	05/28/18 19:15 CST		0	Source: Public
TEXAS COUNTY --- 4.0 W HARDESTY [36.62, -101.27], 3.1 WNW HARDESTY [36.64, -101.25]				
	05/28/18 19:21 CST		0	Tornado (EF1, L: 2.02 mi , W: 200 yd)
	05/28/18 19:24 CST		0	Source: Public
A brief tornado touched down was photographed or recorded by multiple storm chasers just west of Hardesty. Power lines arched near the touchdown area where a main double pole transmission line was snapped. Four smaller power poles were also snapped. Damages to fencing, a car port, a large storage container and trees were also noted in a storm survey. The storage container and a watering trough lifted off the ground and were pushed up to 10 to 30 feet.				
TEXAS COUNTY --- 9.3 ESE GOODWELL [36.54, -101.48]				
	05/28/18 19:25 CST		0	Hail (2.50 in)
	05/28/18 19:25 CST		0	Source: Storm Chaser
Late report, time estimated by radar.				
TEXAS COUNTY --- 5.6 E HARDESTY [36.61, -101.10]				

Storm Data and Unusual Weather Phenomena - May 2018

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/28/18 19:38 CST		0	Thunderstorm Wind (EG 60 kt)
	05/28/18 19:38 CST		0	Source: Emergency Manager

Roof blown off barn.

BEAVER COUNTY --- BRYANS CORNER [36.62, -100.82]

	05/28/18 20:54 CST		0	Hail (0.88 in)
	05/28/18 20:54 CST		0	Source: Trained Spotter

BEAVER COUNTY --- GRAY [36.55, -100.82]

	05/28/18 21:04 CST		0	Hail (1.00 in)
	05/28/18 21:04 CST		0	Source: Emergency Manager

BEAVER COUNTY --- 0.9 SW BRYANS CORNER [36.61, -100.83]

	05/28/18 21:12 CST		0	Hail (1.00 in)
	05/28/18 21:12 CST		0	Source: Emergency Manager

BEAVER COUNTY --- 6.5 NNE BOYD [36.78, -100.76]

	05/28/18 21:47 CST		0	Hail (1.25 in)
	05/28/18 21:47 CST		0	Source: Emergency Manager

An active day of severe weather across the Panhandles. The main 500-300 mb synoptic pattern the morning into the afternoon of the 28th showed an upper level low pressure moving through the central Rockies with an embedded jet streak rounding the base of the upper level low pressure across portions of Arizona and New Mexico. This resulted in a large region of favorable ascent with high mid level lapse rates above 8 C/km across the northern Panhandles in the left exit region of the jet streak. A surface dryline also developed across the western Panhandles where good surface based directional shear was established along this boundary of SE winds ahead of the dryline vs. SW to westerly behind the boundary. Ahead of the dryline, 850-700 mb moisture surged northward with good 20-30 kts mean southerly wind flow to further enhance the gradient setup across the dryline. Morning sounding profiles did show some cap, but with good heating during the day, thunderstorms eventually developed along the dryline. With sufficient SBCAPE of 2000-3000 J/kg, effective shear of 30-40 kts, and good CAPE in the hail growth zone given low freezing levels, storms developed in multi cell clusters. Individual cells did have a strong updraft to produce hail sizes that maxed out around 3" in diameter; along with damaging winds gusts/reports. Thunderstorms across the northern and central half of the cluster did eventually cluster up to form line segments. With the daytime heating still in place into the early evening hours, coupled with 0-1 km SRH values around 200 m2/s2, enough low level rotation did drop 2 tornadoes across Texas County, OK with an EF-0 and EF-1 rating. Storms remained mostly cellular on the southern segment of storms where large hail and strong rotating thunderstorms continued into the late evening hours across the eastern Panhandles before the storms exiting east of the region during the overnight hours.

BEAVER COUNTY --- 3.0 NW LOGAN [36.60, -100.26]

	05/29/18 16:57 CST		0	Thunderstorm Wind (MG 50 kt)
	05/29/18 16:57 CST		0	Source: Mesonet

Oklahoma mesonet measured a 58 mph gust.

BEAVER COUNTY --- SLAPOUT [36.62, -100.12]

	05/29/18 17:03 CST		0	Hail (1.25 in)
	05/29/18 17:03 CST		0	Source: Storm Chaser

Report received by spotter network.

BEAVER COUNTY --- 2.2 SE SLAPOUT [36.60, -100.09]

	05/29/18 17:10 CST		0	Hail (1.75 in)
	05/29/18 17:10 CST		0	Source: Trained Spotter

Report received by Twitter.

Dryline setup across the eastern Panhandles in-conjunction with residual outflow boundaries from convection from the previous day set the stages for supercell development. SBCAPE values of 2000-3000 J/kg in a very favorable low level moisture environment ahead of the dryline along with effective SRH of 100-200 m2/s2 due to good low level directional shear. Two supercells developed in the afternoon hours on the 29th in the eastern TX Panhandle. The northern storm became a left mover and produced hail up to golf balls with damaging wind gusts in the northeastern combined Panhandles before exiting the region. The right mover moved through the southeast TX Panhandle was a larger and stronger storm. This supercell had strong rotation and eventually dropped a tornado in two different locations in its path; both rated EF-0, along with very large hail up to 3" in diameter in the town of Wheeler.

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CIMARRON COUNTY --- 0.6 W BOISE CITY [36.73, -102.53]				
	05/30/18 17:47 CST	0		Hail (1.00 in)
	05/30/18 17:47 CST	0		Source: Emergency Manager
Quarter sized hail reported west of Boise City.				
CIMARRON COUNTY --- 8.7 SW GRIGGS [36.53, -102.25]				
	05/30/18 18:21 CST	0		Hail (1.00 in)
	05/30/18 18:21 CST	0		Source: Trained Spotter
Trained spotter measured a 1.2 inch maximum hail size.				
TEXAS COUNTY --- EVA [36.80, -101.90]				
	05/30/18 18:40 CST	0		Thunderstorm Wind (MG 52 kt)
	05/30/18 18:40 CST	0		Source: Mesonet
Eva mesonet reported a 60 mph wind gust.				
TEXAS COUNTY --- 0.7 N GUYMON [36.69, -101.48]				
	05/30/18 19:15 CST	0		Thunderstorm Wind (EG 52 kt)
	05/30/18 19:15 CST	0		Source: Trained Spotter
Spotter estimated 60 mph wind gust.				
TEXAS COUNTY --- 0.7 S GUYMON [36.67, -101.48]				
	05/30/18 19:15 CST	0		Hail (0.75 in)
	05/30/18 19:15 CST	0		Source: Social Media
Penny sized hail on the south side of Guyman.				
CIMARRON COUNTY --- 0.6 E BOISE CITY [36.73, -102.51]				
	05/30/18 20:15 CST	0		Hail (1.00 in)
	05/30/18 20:15 CST	0		Source: Emergency Manager
CIMARRON COUNTY --- 0.6 E BOISE CITY [36.73, -102.51]				
	05/30/18 20:18 CST	0		Hail (0.75 in)
	05/30/18 20:18 CST	0		Source: Trained Spotter
Penny size hail near Boise City.				
CIMARRON COUNTY --- 6.4 ENE BOISE CITY [36.76, -102.41]				
	05/30/18 20:22 CST	0		Hail (1.00 in)
	05/30/18 20:22 CST	0		Source: Trained Spotter
Quarter size hail in Boise City.				
BEAVER COUNTY --- 1.5 SSW BEAVER [36.80, -100.53]				
	05/30/18 20:40 CST	0		Thunderstorm Wind (MG 51 kt)
	05/30/18 20:40 CST	0		Source: Mesonet
Beaver mesonet reported a 59 mph wind gust.				
CIMARRON COUNTY --- 4.5 SSE BOISE CITY [36.67, -102.49]				
	05/30/18 21:05 CST	0		Hail (1.50 in)
	05/30/18 21:05 CST	0		Source: Trained Spotter
Ping pong ball size hail southeast of Boise City.				
TEXAS COUNTY --- 1.5 NNW GUYMON [36.70, -101.49]				

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	05/30/18 21:46 CST		0	Hail (0.75 in)
	05/30/18 21:46 CST		0	Source: Trained Spotter

TEXAS COUNTY --- 1.5 NNW GUYMON [36.70, -101.49]

	05/30/18 21:50 CST		0	Hail (1.00 in)
	05/30/18 21:50 CST		0	Source: Trained Spotter

One inch diameter fell near Guymon.

TEXAS COUNTY --- 0.7 N GUYMON [36.69, -101.48]

	05/30/18 21:55 CST		0	Hail (1.00 in)
	05/30/18 21:55 CST		0	Source: Social Media

Picture from social media showed quarter size hail.

A SW-NE jet streak segment set up across New Mexico with good lift downstream of the jet max across the northern Panhandles where a strong 500 mb 40 kt. jet was also present across the Panhandles. A perturbation in the mean 500 mb flow moving across the southern Rockies helped to generate a small but strong line segment across eastern New Mexico which eventually moved east throughout the Oklahoma and far northern Texas Panhandles. The path of the line-segment storms followed along a noticeable 850-700 mb moisture gradient oriented NW-SE just downstream of the 700 mb perturbation axis. As the line of storms raced east, large hail up to tennis ball sized cause some damages to home. Damaging wind gusts from RFD's and the storms progression did also cause some damage. On the southern edge of the line, even a funnel cloud was reported at one point in far NE TX Panhandle.

TEXAS, North Panhandle

OCHILTREE COUNTY --- 0.7 S PERRYTON [36.39, -100.80]

	05/02/18 12:49 CST		0	Hail (1.00 in)
	05/02/18 12:49 CST		0	Source: Law Enforcement

Hail between penny and quarter sized reported, with accumulation in spots. Heavy rainfall also has occurred with recent storms.

LIPSCOMB COUNTY --- 0.9 NW BOOKER [36.46, -100.54]

	05/02/18 13:41 CST		0	Hail (1.00 in)
	05/02/18 13:41 CST		0	Source: Public

WHEELER COUNTY --- 6.2 SE KELTON [35.33, -100.05]

	05/02/18 14:08 CST		0	Funnel Cloud
	05/02/18 14:08 CST		0	Source: Storm Chaser

Reported via Twitter.

A deepening upper level trough over southern Nevada throughout the morning hours set the stages for active weather downstream across the Panhandles. Vertically stacked speed shear aloft out ahead of the main upper level system; in-conjunction with good lift and a rather strong low level jet at 850 mb of around 40 kts set the stages for linear convection to develop across the northern Panhandles along and out ahead of a surface convergence boundary. With SBCAPE around 3000 J/lg and effective bulk shear around 40-50 kts, a good environment had storms congeal into a line and move northeast. Early on, storms across the region produce hail from quarters up to tennis ball size. A second round of storms developed across the southeast Texas Panhandle with additional severe reports including a funnel cloud reported in Wheeler County. Storms quickly exited the region as early evening on the 2nd approached.

(TX-Z019) DONLEY

	05/03/18 14:00 CST		0	Wildfire
	05/04/18 01:00 CST		0	

The Simmons Ranch wildfire began around 1400CST about four miles south southwest of Giles Texas in Donley County. The wildfire started between County Road A and County Road CC west of U.S. Highway 287 and consumed two thousand two hundred and sixty-two acres. There were roughly two homes and six other structures that were threatened but were saved. There were no reports of any homes or other structures destroyed by the wildfire and there were also no reports of any injuries or fatalities. The Texas A&M Forest Service responded to the wildfire and the cause of the wildfire was determined to be from equipment use. The wildfire was contained around 0030CST and 0100CST on May 4.

(TX-Z018) ARMSTRONG

Storm Data and Unusual Weather Phenomena - May 2018

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/08/18 18:10 CST		0	Wildfire
	05/18/18 22:00 CST		0	

The Mallard Wildfire began about nineteen miles south southeast of Caude Texas in Armstrong County around 1810CST. The wildfire began south of Farm to Market Road 2272 and east of Texas State Highway 207. The wildfire consumed seventy-five thousand five hundred and thirty acres. There were about twenty-five homes and fifteen other structures that were threatened by the wildfire but were saved, however one home was destroyed by the wildfire. There were no reports of any injuries or fatalities, however there were reported to be ten near misses. The wildfire began in Palo Duro Canyon and then moved to Mulberry Canyon. The Summer Field wildfire burned into and merged with the Mallard Fire. The cause of the wildfire was determined to be from lightning. There were multiple evacuations ordered and multiple fire departments and other fire agencies responded to the wildfire including the Texas A&M Forest Service. There were reported to be multiple air assets and TIFMAS units which were deployed. There was also a Southern Red Incident Team and Type 1 crews from out of state were deployed. The wildfire was contained around 2200CST on May 18.

(TX-Z018) ARMSTRONG

05/08/18 18:19 CST	0	Wildfire
05/09/18 02:00 CST	0	

The Tate Arroya Wildfire began around 1819CST about eighteen miles southeast of Goodnight in Donley County. The wildfire was determined to be caused by lightning which consumed an estimated nine hundred acres. There were no homes or other structures reported to be threatened by the wildfire and there were also no reports of any homes or other structures damaged or destroyed by the wildfire. There were also no reports of any injuries or fatalities. The wildfire was contained around 0130CST to 0200CST May 9.

(TX-Z019) DONLEY

05/08/18 19:15 CST	0	Wildfire
05/08/18 23:30 CST	0	

The JA #2 Wildfire began around 1915CST about nine miles west southwest of Greenbelt Lake in Donley County. There were no homes or other structures threatened and no homes or other structures were damaged or destroyed by the wildfire. There were no reports of any injuries or fatalities. The wildfire consumed an estimated seven hundred acres which determined to have been caused from lightning. The wildfire was contained around 2330CST.

(TX-Z018) ARMSTRONG

05/08/18 19:24 CST	0	Wildfire
05/09/18 00:32 CST	0	

The JA 1 West Wildfire began about six miles west southwest of Goodnight Texas in Armstrong County around 1924CST. The wildfire consumed an estimated three hundred acres. There were no reports of any 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 cause of the wildfire was determined to be from lightning. The wildfire was contained around 0032CST on May 9.

(TX-Z012) POTTER

05/09/18 15:35 CST	0	Wildfire
05/10/18 06:00 CST	0	

The Farm to Market Road 1258 Wildfire began about six miles east of Amarillo Texas in Potter County around 1535CST. The wildfire began near Pullman Road and just north of Interstate 40 south of Southeast 3rd Avenue. The wildfire consumed three hundred and sixty acres and was determined to be caused by lightning. There were no reports of any homes or other structures threatened and there were also no reports of any homes or other structures damaged or destroyed. There were no reports of any injuries or fatalities. The wildfire was contained around 0600CST on May 10 and the Texas A&M Forest Service responded to the wildfire.

(TX-Z017) RANDALL COUNTY

05/09/18 22:36 CST	0	Wildfire
05/10/18 23:00 CST	0	

The Mechler Wildfire began around 2236CST about three miles east of Lake Tanglewood Texas in Randall County. The wildfire consumed an estimated five hundred acres. There were no reports of any homes or other structure threatened by the wildfire and there were also no homes or other structure destroyed. There were also no reports of any injuries or fatalities. The Texas A&M Forest Service responded to the wildfire which was contained around 2300CST on May 10.

WHEELER COUNTY --- 0.6 W WHEELER [35.45, -100.28]

05/11/18 18:06 CST	0	Hail (1.00 in)
05/11/18 18:06 CST	0	Source: Trained Spotter

Storm Data and Unusual Weather Phenomena - May 2018

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
A rather unusual event to say the least. An ongoing large wild fire in eastern Armstrong County, TX called the Mallard Fire caused a large pyrocumulus cloud to form. With strong vertical growth over 40,000 ft, in-conjunction with a surface boundary/dryline across the eastern Panhandle keeping dewpoint temps in near 60 across the far eastern Panhandles, this actually formed a supercell. Although very warm at the surface with deep mixing, the vertical extent of the storm tapped into MUCAPE values of 1000-2000J/Kg. As a result, some severe hail was produced in Wheeler County, TX before moving east out of the Panhandles in the early evening hours.				
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DONLEY COUNTY --- 0.9 NE CLARENDON [34.94, -100.89]	05/13/18 16:21 CST	0		Hail (0.88 in)
	05/13/18 16:21 CST	0		Source: Law Enforcement
<hr/>				
ROBERTS COUNTY --- 5.6 N MIAMI [35.78, -100.64]	05/13/18 16:25 CST	0		Hail (2.00 in)
	05/13/18 16:25 CST	0		Source: Trained Spotter
<hr/>				
DONLEY COUNTY --- 0.9 NE CLARENDON [34.94, -100.89]	05/13/18 16:30 CST	0		Hail (1.00 in)
	05/13/18 16:30 CST	0		Source: Law Enforcement
<hr/>				
Nickel to quarter sized hail reported at Clarendon College.				
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WHEELER COUNTY --- 1.8 WNW LELA [35.23, -100.38]	05/13/18 16:35 CST	0		Hail (2.50 in)
	05/13/18 16:35 CST	0		Source: Broadcast Media
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OCHILTREE COUNTY --- 19.5 SSE PERRYTON MUNI ARPT [36.13, -100.65]	05/13/18 16:37 CST	0		Hail (1.75 in)
	05/13/18 16:37 CST	0		Source: Storm Chaser
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OCHILTREE COUNTY --- 19.5 SSE PERRYTON MUNI ARPT [36.13, -100.65]	05/13/18 16:39 CST	0		Hail (1.50 in)
	05/13/18 16:39 CST	0		Source: Storm Chaser
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OCHILTREE COUNTY --- 19.5 SSE PERRYTON MUNI ARPT [36.13, -100.65]	05/13/18 16:39 CST	0		Thunderstorm Wind (MG 55 kt)
	05/13/18 16:39 CST	0		Source: Storm Chaser
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LIPSCOMB COUNTY --- 0.9 NW BOOKER [36.46, -100.54]	05/13/18 17:08 CST	0		Hail (0.88 in)
	05/13/18 17:08 CST	0		Source: Storm Chaser
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LIPSCOMB COUNTY --- 15.6 SW LIPSCOMB [36.09, -100.49]	05/13/18 17:11 CST	0		Hail (1.50 in)
	05/13/18 17:11 CST	0		Source: Storm Chaser
<hr/>				
OCHILTREE COUNTY --- 9.1 ENE TWICHELL [36.46, -100.56]	05/13/18 17:11 CST	0		Hail (1.00 in)
	05/13/18 17:11 CST	0		Source: Storm Chaser
<hr/>				
GRAY COUNTY --- 0.7 S ALANREED [35.21, -100.73]	05/13/18 17:25 CST	0		Hail (1.25 in)
	05/13/18 17:25 CST	0		Source: Broadcast Media
<hr/>				
Half Dollar sized hail reported along I-40 in Alanreed.				
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LIPSCOMB COUNTY --- 12.9 SSW LIPSCOMB [36.07, -100.39]	05/13/18 17:25 CST	0		Hail (2.75 in)
	05/13/18 17:25 CST	0		Source: Public

Late picture report received of baseball sized hail.

Storm Data and Unusual Weather Phenomena - May 2018

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
LIPSCOMB COUNTY --- 10.6 SSW LIPSCOMB [36.10, -100.37]				
	05/13/18 17:32 CST		0	Hail (1.25 in)
	05/13/18 17:32 CST		0	Source: Storm Chaser
Late report of quarter to half dollar sized hail.				
LIPSCOMB COUNTY --- LIPSCOMB [36.23, -100.27]				
	05/13/18 18:00 CST		0	Hail (1.75 in)
	05/13/18 18:00 CST		0	Source: Law Enforcement
LIPSCOMB COUNTY --- 7.0 SW LIPSCOMB [36.16, -100.36]				
	05/13/18 18:12 CST		0	Thunderstorm Wind (EG 61 kt)
	05/13/18 18:12 CST		0	Source: Law Enforcement
Estimated by law enforcement.				
HEMPHILL COUNTY --- 2.8 NNE CANADIAN [35.94, -100.37]				
	05/13/18 18:13 CST		0	Hail (1.00 in)
	05/13/18 18:13 CST		0	Source: Law Enforcement
WHEELER COUNTY --- 0.7 N ALLISON [35.61, -100.10]				
	05/13/18 19:10 CST		0	Hail (1.50 in)
	05/13/18 19:10 CST		0	Source: Trained Spotter
WHEELER COUNTY --- 0.7 N ALLISON [35.61, -100.10]				
	05/13/18 19:13 CST		0	Hail (1.75 in)
	05/13/18 19:13 CST		0	Source: Public
<p>A positive tilted upper level trough digging into southern Nevada developed a 80-100 kt jet downstream of its axis. In-conjunction with 700-500 hPa perturbations in the mean flow along with a surface dryline, the ingredients were set for multi cellular thunderstorm develop along a uniform deep uni-directional flow. Other surface features included good theta-e advection along with surface winds advecting moisture east of the dryline. Clusters of supercells then developed in the afternoon hours on the 13th across the eastern panhandles given SBCAPE of 1000-2500 J/Kg. Low to moderate effective shear of around 30 kts did not give these supercells their discrete characteristics and instead developed along a loose line from southwest to northeast along the dryline. However, severe wind gusts along with hail up to the size of baseball size were still reported. Thunderstorms then moved east into western Oklahoma going into the evening hours.</p>				
WHEELER COUNTY --- 0.7 S WHEELER [35.44, -100.27]				
	05/14/18 15:30 CST		0	Hail (1.00 in)
	05/14/18 15:30 CST		0	Source: Trained Spotter
Late report of dime to quarter sized hail, with up to half an inch of rain measured. Time of report estimated from radar.				
DONLEY COUNTY --- 0.6 E HEDLEY [34.87, -100.66]				
	05/14/18 15:50 CST		0	Hail (0.88 in)
	05/14/18 15:50 CST		0	Source: Broadcast Media
GRAY COUNTY --- 0.7 S MC LEAN [35.22, -100.60]				
	05/14/18 16:08 CST		0	Hail (0.88 in)
	05/14/18 16:08 CST		0	Source: Trained Spotter
DONLEY COUNTY --- 2.7 SW GILES [34.79, -100.56]				
	05/14/18 16:15 CST		0	Hail (0.88 in)
	05/14/18 16:15 CST		0	Source: Broadcast Media
COLLINGSWORTH COUNTY --- DODSON [34.77, -100.02]				
	05/14/18 16:55 CST		0	Hail (1.00 in)
	05/14/18 16:55 CST		0	Source: Public

Storm Data and Unusual Weather Phenomena - May 2018

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Late report of quarter sized hail. Time estimated by radar.				
COLLINGSWORTH COUNTY --- 1.1 E WELLINGTON [34.85, -100.20]				
	05/14/18 17:17 CST	0		Hail (1.00 in)
	05/14/18 17:17 CST	0		Source: Public
COLLINGSWORTH COUNTY --- 4.5 E WELLINGTON [34.85, -100.14]				
	05/14/18 17:25 CST	0		Hail (1.75 in)
	05/14/18 17:25 CST	0		Source: Broadcast Media
COLLINGSWORTH COUNTY --- 0.6 E DOZIER [35.08, -100.34]				
	05/14/18 17:35 CST	0		Thunderstorm Wind (EG 56 kt)
	05/14/18 17:35 CST	0		Source: Broadcast Media
Part of a roof blown off a church building.				
COLLINGSWORTH COUNTY --- 2.3 W DOZIER [35.08, -100.39]				
	05/14/18 17:39 CST	0		Thunderstorm Wind (MG 52 kt)
	05/14/18 17:39 CST	0		Source: Mesonet
<p>A complex of multi-cell thunderstorms developed in the southeastern Texas Panhandle and moved east eventually forming a line of thunderstorms. SBCAPE of near 4000 J/kg along with wind shear of around 30 kts supported thunderstorm development. The aforementioned region of the TX Panhandle was out ahead of a southward moving surface front with good instability out ahead of the surface boundary. Large hail up to golf balls were initially reported with the cellular storms before damaging wind gusts and even roof damage to a church was reported in the far southeastern Texas Panhandle along a damaging line of storms.</p>				
DEAF SMITH COUNTY --- 8.0 W HEREFORD [34.83, -102.54]				
	05/15/18 18:08 CST	0		Hail (1.50 in)
	05/15/18 18:08 CST	0		Source: Storm Chaser
DEAF SMITH COUNTY --- 2.7 SW HEREFORD [34.79, -102.43]				
	05/15/18 18:22 CST	0		Hail (1.25 in)
	05/15/18 18:22 CST	0		Source: Public
DEAF SMITH COUNTY --- 2.8 S HEREFORD [34.78, -102.40]				
	05/15/18 18:22 CST	0		Hail (1.75 in)
	05/15/18 18:22 CST	0		Source: Public
DEAF SMITH COUNTY --- 12.7 NE MILO CENTER [35.13, -102.27]				
	05/15/18 18:36 CST	0		Hail (1.00 in)
	05/15/18 18:36 CST	0		Source: Trained Spotter
Nickel to quarter size hail with some accumulation on the ground.				
DEAF SMITH COUNTY --- 2.8 N DAWN [34.96, -102.20]				
	05/15/18 18:46 CST	0		Hail (1.75 in)
	05/15/18 18:46 CST	0		Source: Broadcast Media
Report via Twitter.				
HANSFORD COUNTY --- 7.8 W GRUVER [36.27, -101.54]				
	05/15/18 20:06 CST	0		Hail (1.00 in)
	05/15/18 20:06 CST	0		Source: Law Enforcement
Sheriff reported quarter sized hail.				
HANSFORD COUNTY --- 5.6 N MORSE [36.15, -101.47]				
	05/15/18 20:30 CST	0		Thunderstorm Wind (EG 52 kt)
	05/15/18 20:30 CST	0		Source: Public

Late report of half-dollar size hail, and structural damage to feed lot caused by thunderstorm winds. Time estimated from radar.

Storm Data and Unusual Weather Phenomena - May 2018

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
HANSFORD COUNTY --- 0.7 S MORSE [36.06, -101.48]				
	05/15/18 20:43 CST		0	Funnel Cloud
	05/15/18 20:43 CST		0	Source: Trained Spotter
Rotating wall cloud with brief funnels being produced with dime size hail also reported.				
HANSFORD COUNTY --- 0.7 S MORSE [36.06, -101.48]				
	05/15/18 20:43 CST		0	Hail (0.75 in)
	05/15/18 20:43 CST		0	Source: Trained Spotter
Rotating wall cloud with brief funnels being produced. Dime size hail also reported.				
HUTCHINSON COUNTY --- 5.6 NNW PRINGLE [36.03, -101.47]				
	05/15/18 20:50 CST		0	Hail (1.00 in)
	05/15/18 20:50 CST		0	Source: Trained Spotter
ROBERTS COUNTY --- 1.5 SSW MIAMI [35.68, -100.64]				
	05/15/18 22:04 CST		0	Hail (1.00 in)
	05/15/18 22:04 CST		0	Source: Trained Spotter
Late report of quarter sized hail.				
ROBERTS COUNTY --- 3.6 SW MIAMI [35.66, -100.67]				
	05/15/18 22:04 CST		0	Hail (2.00 in)
	05/15/18 22:04 CST		0	Source: Law Enforcement
Late report from county sheriff of hail damaged vehicles due to hail the size of hen eggs. Time estimated from radar.				
WHEELER COUNTY --- 0.9 SW WHEELER [35.44, -100.28]				
	05/15/18 22:48 CST		0	Thunderstorm Wind (EG 52 kt)
	05/15/18 22:48 CST		0	Source: Emergency Manager
Late report of trees up to 2 feet diameter being felled close to the trunk due to thunderstorm winds.				
HEMPHILL COUNTY --- 5.8 ENE CANADIAN [35.92, -100.28]				
	05/15/18 22:54 CST		0	Thunderstorm Wind (MG 52 kt)
	05/15/18 22:54 CST		0	Source: Mesonet
<p>A developing strong 850-500 hPa zonal flow displaced well to the south of an anti-cyclonic feature in the northwest CONUS helped to develop convection across the region. Perturbations in the 700-500 hPa in the zonal west-east pattern developed convection off the high terrain of New Mexico. With good 700-500 mb flow of 30-50 kts in the afternoon of the 15th, this allowed the convection to be carried into the Panhandles region. With SBCAPE of 2000-3000 J/Kg along with strong effective shear approaching 50-60 kts, storms easily moved east into the Panhandles in a favorable environment. 00Z RAOB data from AMA showed also good direction shear of almost 180 degrees in the lower levels just out ahead of the convection. This lead to some storms rotating with brief funnels within some of the supercells. Damaging winds and large hail were Late report of trees up to 2 feet diameter being felled close to the trunk due to thunderstorm winds were produced with these storms before moving east out of the region very late on the 15th.</p>				
ROBERTS COUNTY --- 3.6 NNE CODMAN [35.69, -100.73]				
	05/16/18 17:05 CST		0	Hail (1.75 in)
	05/16/18 17:05 CST		0	Source: Trained Spotter
ROBERTS COUNTY --- 3.2 NNE CODMAN [35.68, -100.72]				
	05/16/18 17:12 CST		0	Hail (1.50 in)
	05/16/18 17:12 CST		0	Source: Public
Mping report.				
ROBERTS COUNTY --- 3.9 SW MIAMI [35.66, -100.68]				
	05/16/18 17:35 CST		0	Hail (1.75 in)
	05/16/18 17:35 CST		0	Source: Storm Chaser

Storm Data and Unusual Weather Phenomena - May 2018

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
HEMPHILL COUNTY --- 1.5 NNW CANADIAN [35.92, -100.39]				
	05/16/18 17:52 CST		0	Hail (1.00 in)
	05/16/18 17:52 CST		0	Source: Trained Spotter
Pea to quarter sized hail.				
HEMPHILL COUNTY --- 0.7 N CANADIAN [35.91, -100.38]				
	05/16/18 17:55 CST		0	Hail (1.50 in)
	05/16/18 17:55 CST		0	Source: Trained Spotter
Mostly pea to quarter size. Found one stone that was the size of a ping pong ball.				
HEMPHILL COUNTY --- 2.8 NNE CANADIAN [35.94, -100.37]				
	05/16/18 18:00 CST		0	Hail (1.00 in)
	05/16/18 18:00 CST		0	Source: Trained Spotter
Mostly nickel size hail with a few quarters at the Canadian Golf Course.				
HEMPHILL COUNTY --- CANADIAN [35.90, -100.38]				
	05/16/18 18:00 CST		0	Hail (1.50 in)
	05/16/18 18:00 CST		0	Source: Social Media
GRAY COUNTY --- 8.5 E LEFORS [35.42, -100.67]				
	05/16/18 18:45 CST		0	Hail (1.00 in)
	05/16/18 18:45 CST		0	Source: Storm Chaser
Seven miles east of Lefors on Highway 1321.				
<p>A few supercell thunderstorms were able to develop in this both weak CAPE and moderate shear environment. With a 700 mb trough over western Nebraska moving southeastward in a 20-35 kt 500 mb flow, some storms early on in the afternoon did develop across eastern New Mexico and move east into the western OK Panhandle with severe criteria hail reported. Later into the afternoon and early evening hours, additional supercells developed across parts of the eastern TX Panhandle where south-southwesterly flow advected good surface moisture in-conjunction with a good veering wind profile to support supercells. As a result, these storms across the northeast TX Panhandle did produce hail up to golf ball size in a few instances.</p>				
LIPSCOMB COUNTY --- 0.6 W HIGGINS [36.12, -100.03]				
	05/17/18 09:27 CST		0	Hail (0.88 in)
	05/17/18 09:27 CST		0	Source: Trained Spotter
MOORE COUNTY --- 4.5 SSW DUMAS MUNI ARPT [35.79, -102.05]				
	05/17/18 16:20 CST		0	Hail (1.25 in)
	05/17/18 16:20 CST		0	Source: Law Enforcement
HUTCHINSON COUNTY --- 0.7 N FRITCH [35.64, -101.60]				
	05/17/18 16:25 CST		0	Hail (1.25 in)
	05/17/18 16:25 CST		0	Source: Trained Spotter
HUTCHINSON COUNTY --- 0.7 N FRITCH [35.64, -101.60]				
	05/17/18 16:34 CST		0	Hail (1.25 in)
	05/17/18 16:34 CST		0	Source: Storm Chaser
HUTCHINSON COUNTY --- 2.8 E FRITCH [35.63, -101.55]				
	05/17/18 16:57 CST		0	Hail (1.00 in)
	05/17/18 16:57 CST		0	Source: Trained Spotter
HUTCHINSON COUNTY --- 3.6 NE FRITCH [35.67, -101.56]				
	05/17/18 18:04 CST		0	Hail (1.25 in)
	05/17/18 18:04 CST		0	Source: Trained Spotter

Storm Data and Unusual Weather Phenomena - May 2018

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
HUTCHINSON COUNTY --- 1.3 WSW BORGER [35.66, -101.40], 1.3 WSW BORGER [35.66, -101.40], 1.3 WSW BORGER [35.66, -101.40], 1.3 WSW BORGER [35.66, -101.40]				
	05/17/18 18:30 CST	0		Flood (due to Heavy Rain)
	05/17/18 18:50 CST	0		Source: Emergency Manager
NW Borger had approximately 6 inches of running water in flood prone roadways around 730 PM. The water quickly drained off and closed roads were reopened by 750 PM.				
HUTCHINSON COUNTY --- 3.5 SW SANFORD [35.70, -101.53]				
	05/17/18 18:34 CST	0		Hail (1.75 in)
	05/17/18 18:34 CST	0		Source: Trained Spotter
HUTCHINSON COUNTY --- 0.9 NW HUTCHINSON CO ARPT [35.71, -101.41]				
	05/17/18 18:46 CST	0		Hail (2.00 in)
	05/17/18 18:46 CST	0		Source: Trained Spotter
Hen egg size hail covering the ground, late report received via Facebook.				
HUTCHINSON COUNTY --- 1.3 WNW BORGER [35.68, -101.40]				
	05/17/18 18:55 CST	0		Hail (2.00 in)
	05/17/18 18:55 CST	0		Source: Social Media
HUTCHINSON COUNTY --- 1.3 ESE HUTCHINSON CO ARPT [35.69, -101.38]				
	05/17/18 19:05 CST	0		Hail (2.00 in)
	05/17/18 19:05 CST	0		Source: Social Media
<p>Perturbation off the mean 500 mb flow downstream of a small amplitude ridge axis provided a late morning round of thunderstorms for the northeast TX/OK Panhandles. As a result, some severe criteria hail was reported. The more widespread thunderstorm activity happened on the afternoon of the 17th. A dryline setup across the western and central combined Panhandles with SE surface flow around 30-40 kts and 500 mb flow out of the west of 40-50 kts. set the stages for good lift in the atmosphere with decent directional shear. DCAPE and MUCAPE values of around 1500 J/Kg with good mid-level lapse rates allowed supercell initial development of thunderstorms. Large hail up to 2" were reported as storms moved from west to east across the central and eastern Panhandles. Eventually, cells converged into line segments and moved out of the east transitioning into more of a wind threat entering the evening hours as storms finally moved to the east out of the region.</p>				
GRAY COUNTY --- 0.7 S PAMPA LEFORS ARPT [35.61, -101.00]				
	05/18/18 16:04 CST	0		Hail (1.00 in)
	05/18/18 16:04 CST	0		Source: Trained Spotter
OCHILTREE COUNTY --- PERRYTON [36.40, -100.80]				
	05/18/18 16:28 CST	0		Hail (1.00 in)
	05/18/18 16:28 CST	0		Source: Trained Spotter
ROBERTS COUNTY --- 19.8 NNW CODMAN [35.90, -100.90]				
	05/18/18 16:34 CST	0		Hail (1.75 in)
	05/18/18 16:34 CST	0		Source: Public
OCHILTREE COUNTY --- 7.6 S PERRYTON [36.29, -100.80]				
	05/18/18 16:47 CST	0		Hail (1.25 in)
	05/18/18 16:47 CST	0		Source: Trained Spotter
OCHILTREE COUNTY --- 3.5 S PERRYTON [36.35, -100.80]				
	05/18/18 17:15 CST	0		Hail (2.50 in)
	05/18/18 17:15 CST	0		Source: Trained Spotter
ROBERTS COUNTY --- 19.0 N LORA [36.00, -100.61]				
	05/18/18 17:58 CST	0		Hail (1.00 in)
	05/18/18 17:58 CST	0		Source: Social Media

Storm Data and Unusual Weather Phenomena - May 2018

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Upper level trough moving through the Four Corners region helped to strengthen gradient of moisture along a dryline across the central Panhandles. To the east of the dryline, after observing 18Z RAOB out of Amarillo, low level moisture was present with SBCAPE and MUCAPE over 2500 J/Kg with large CAPE pronounced in the hail growth zone. As the dryline shifted into the eastern Panhandles, supercells then developed producing hail as big as tennis balls reported across parts of the northeast TX Panhandle. Cells then congealed quickly into a line. Some cells initially did exhibit rotation before congealing into a line. Hail and severe wind gust reports came in as the line moved quickly to the northeastern Panhandles before exiting the region.

HEMPHILL COUNTY --- 4.8 NE GAGEBY [35.67, -100.27]

05/19/18 21:39 CST		0	Hail (2.75 in)
05/19/18 21:39 CST		0	Source: Broadcast Media

Broadcast media relayed pictures of damage to skylight and windshield and also pictures of the hail.

RANDALL COUNTY --- 5.1 NNW TIMBERCREEK CANYON [35.12, -101.85]

05/19/18 22:12 CST		0	Hail (0.88 in)
05/19/18 22:12 CST		0	Source: Broadcast Media

Nickel size hail reported.

POTTER COUNTY --- (AMA)AMARILLO INTL A [35.22, -101.72]

05/19/18 22:13 CST		0	Thunderstorm Wind (MG 50 kt)
05/19/18 22:13 CST		0	Source: ASOS

RANDALL COUNTY --- 3.9 WSW AMARILLO [35.18, -101.88], 3.9 WSW AMARILLO [35.18, -101.88], 3.9 WSW AMARILLO [35.18, -101.88], 3.9 WSW AMARILLO [35.18, -101.88]

05/19/18 22:30 CST		0	Flood (due to Heavy Rain)
05/19/18 23:30 CST		0	Source: Broadcast Media

Street flooding at the intersection of 34th and Western.

RANDALL COUNTY --- 4.4 SW AMARILLO [35.16, -101.88], 4.4 SW AMARILLO [35.16, -101.88], 4.4 SW AMARILLO [35.16, -101.88], 4.4 SW AMARILLO [35.16, -101.88]

05/19/18 22:30 CST		0	Flood (due to Heavy Rain)
05/19/18 23:30 CST		0	Source: Broadcast Media

Street flooding near and around the intersection of 45th and Western.

RANDALL COUNTY --- 3.0 SSW AMARILLO [35.16, -101.85], 2.9 SSW AMARILLO [35.16, -101.85], 3.0 SSW AMARILLO [35.16, -101.85], 3.0 SSW AMARILLO [35.16, -101.85]

05/19/18 22:41 CST		0	Flood (due to Heavy Rain)
05/19/18 23:41 CST		0	Source: Broadcast Media

Street flooding reported near 45th and Washington St.

Residual outflow boundaries from the previous day's convection in-conjunction with low level moisture and weak steering flow allowed for thunderstorms to develop. In particular, one main outflow boundary raced southeast across the Panhandles during the evening hours and colliding with other smaller outflow boundaries generated some thunderstorms. Handful of reports of flooding and gusty winds for Amarillo and one particular very strong storm produced baseball size hail with reported damage. Storms eventually subsided during the overnight hours.

HUTCHINSON COUNTY --- FRITCH [35.63, -101.60]

05/19/18 23:45 CST		0	Thunderstorm Wind (EG 43 kt)
05/19/18 23:45 CST		0	Source: Broadcast Media

The National Park Service said around 12:45 a.m. Sunday morning, 57-year-old Carl Kaiser was trying to load his swamped tracker boat near the Fritch Fortress boat dock when it suddenly capsized.

Local CBS news media reported the following thunderstorm related Fatality: "The National Park Service said around 12:45 a.m. Sunday morning, 57-year-old Carl Kaiser was trying to load his swamped tracker boat near the Fritch Fortress boat dock when it suddenly capsized. He then became trapped underneath the boat. NPS Rangers witnessed the incident and attempted to rescue Kaiser, but were unsuccessful".

HANSFORD COUNTY --- 5.6 E GRUVER [36.26, -101.30]

Storm Data and Unusual Weather Phenomena - May 2018

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/23/18 17:13 CST		0	Hail (0.75 in)
	05/23/18 17:13 CST		0	Source: Trained Spotter

HANSFORD COUNTY --- 2.2 W SPEARMAN [36.20, -101.24]

	05/23/18 17:30 CST		0	Hail (1.00 in)
	05/23/18 17:30 CST		0	Source: Law Enforcement

Spotter is at highway 15 and FM 2387 just west of Spearman.

HANSFORD COUNTY --- 0.4 E SPEARMAN [36.20, -101.19], 0.6 E SPEARMAN [36.20, -101.19], 0.6 E SPEARMAN [36.20, -101.19], 0.4 E SPEARMAN [36.20, -101.19]

	05/23/18 18:13 CST		0	Flood (due to Heavy Rain)
	05/23/18 19:13 CST		0	Source: Trained Spotter

Water standing over roadways and streets. Bar ditches overflowing. Intersections flooded with water 6 to 8 inches deep.

HEMPHILL COUNTY --- 0.5 W CANADIAN [35.90, -100.39], 0.5 WNW CANADIAN [35.90, -100.39], 0.5 WNW CANADIAN [35.90, -100.39], 0.5 WNW CANADIAN [35.90, -100.39]

	05/23/18 21:40 CST		0	Flood (due to Heavy Rain)
	05/23/18 22:40 CST		0	Source: Trained Spotter

Water has filled the bar ditches and is flowing over the road about 1 to 2 inches.

Theta-e ridge axis coupled with a surface boundary leftover across the region helped to trigger thunderstorms across the region. 00Z RAOB data on the 24th showed an abundant of surface moisture with PWAT values over 1 inch and relatively weak surface and mid level flow. As a result, as diurnal convection developed, storms become multi-cell/linear and with them being slow moving in nature, flash flooding was a concern as well with several flooded roadways reported. Within the stronger storms, hail up to quarters were also reported.

(TX-Z317) PALO DORO CANYON

	05/25/18 14:35 CST		0	Heat
	05/25/18 14:35 CST		0	

Reported from local CBS media: "A 50-year-old Kansas woman was found dead in Palo Duro Canyon Friday afternoon. The Randall County Sheriff's Office said she had become separated from her family who were all hiking in the area. She was later found dead off the Lighthouse Trail. Authorities said the temperature was in the low 100s on Friday and she died of possible heat exhaustion".

According to local Palo Duro Canyon State Park Floor Mesonet observation site, the max temperatures on the 25th reached 107 degrees.

HEMPHILL COUNTY --- 0.6 W GAGEBY [35.62, -100.34]

	05/25/18 18:24 CST		0	Hail (1.00 in)
	05/25/18 18:24 CST		0	Source: Storm Chaser

Storm chaser reported quarter size hail via spotter network.

WHEELER COUNTY --- 4.4 NW BRISCOE [35.62, -100.34]

	05/25/18 18:24 CST		0	Funnel Cloud
	05/25/18 18:24 CST		0	Source: Storm Chaser

Storm chasers reporting funnel clouds with high based wall cloud.

WHEELER COUNTY --- 4.4 NW BRISCOE [35.62, -100.34]

	05/25/18 18:30 CST		0	Hail (1.00 in)
	05/25/18 18:30 CST		0	Source: Trained Spotter

Report received by Twitter.

WHEELER COUNTY --- 2.4 WNW BRISCOE [35.59, -100.32]

	05/25/18 18:33 CST		0	Hail (1.25 in)
	05/25/18 18:33 CST		0	Source: Broadcast Media

Report received by Twitter.

Storm Data and Unusual Weather Phenomena - May 2018

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
WHEELER COUNTY --- 4.5 ENE NEW MOBEETIE [35.56, -100.36]				
	05/25/18 18:45 CST		0	Hail (1.25 in)
	05/25/18 18:45 CST		0	Source: Storm Chaser
Report received by the spotter network.				
WHEELER COUNTY --- 4.0 ENE NEW MOBEETIE [35.56, -100.37]				
	05/25/18 18:51 CST		0	Hail (1.25 in)
	05/25/18 18:51 CST		0	Source: Storm Chaser
Half dollar size received by spotter network.				
WHEELER COUNTY --- 0.6 W WHEELER [35.45, -100.28]				
	05/25/18 18:55 CST		0	Funnel Cloud
	05/25/18 18:55 CST		0	Source: Broadcast Media
Local ABC affiliate webcam capturing high based funnel cloud with thunderstorm.				
<p>Lone supercell developed over Hemphill County, TX and drifted south across the eastern Texas Panhandle. As the main surface dryline retreated west, enough surface convergence in-conjunction with ample CAPE in the hail growth zone and decent wind shear along the boundary, a lone supercell formed with severe criteria hail and even a funnel cloud was reported. As the boundary further retreated west, the low level convergence was displaced which dissipated the supercell.</p>				
HANSFORD COUNTY --- 0.9 SW GRUVER [36.26, -101.41]				
	05/27/18 17:15 CST		0	Hail (1.00 in)
	05/27/18 17:15 CST		0	Source: Storm Chaser
GRAY COUNTY --- 1.3 WSW PAMPA [35.52, -100.99]				
	05/27/18 19:00 CST		0	Hail (1.75 in)
	05/27/18 19:00 CST		0	Source: Law Enforcement
Golf ball sized hail on Highway 60 southwest of Pampa.				
CARSON COUNTY --- 0.7 N SKELLYTOWN [35.58, -101.18]				
	05/27/18 19:07 CST		0	Hail (0.75 in)
	05/27/18 19:07 CST		0	Source: Public
Mping report.				
CARSON COUNTY --- 0.6 NE SKELLYTOWN [35.58, -101.17], 0.6 NE SKELLYTOWN [35.58, -101.17], 0.6 ENE SKELLYTOWN [35.57, -101.17], 0.6 ENE SKELLYTOWN [35.57, -101.17]				
	05/27/18 19:10 CST		0	Flood (due to Heavy Rain)
	05/27/18 19:10 CST		0	Source: Public
Heavy rainfall producing localized street flooding.				
CARSON COUNTY --- 0.9 NE SKELLYTOWN [35.58, -101.17]				
	05/27/18 19:10 CST		0	Hail (1.00 in)
	05/27/18 19:10 CST		0	Source: Public
Hail between dime and nickel, with a few quarter sized.				
CARSON COUNTY --- 0.5 NE SKELLYTOWN [35.58, -101.17], 0.6 NE SKELLYTOWN [35.58, -101.17], 0.6 NE SKELLYTOWN [35.58, -101.17], 0.5 NE SKELLYTOWN [35.58, -101.17]				
	05/27/18 19:17 CST		0	Flood (due to Heavy Rain)
	05/27/18 20:17 CST		0	Source: Trained Spotter
Street flooding reported.				
CARSON COUNTY --- 0.7 N SKELLYTOWN [35.58, -101.18]				

Storm Data and Unusual Weather Phenomena - May 2018

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/27/18 19:17 CST		0	Hail (0.88 in)
	05/27/18 19:17 CST		0	Source: Trained Spotter
Nickel sized hail reported.				
<hr/>				
CARSON COUNTY --- 0.6 E SKELLYTOWN [35.57, -101.17]				
	05/27/18 19:33 CST		0	Hail (1.75 in)
	05/27/18 19:33 CST		0	Source: Fire Department/Rescue
Golf ball sized hail reported.				
<hr/>				
CARSON COUNTY --- 0.6 E SKELLYTOWN [35.57, -101.17]				
	05/27/18 19:33 CST		0	Thunderstorm Wind (EG 52 kt)
	05/27/18 19:33 CST		0	Source: Fire Department/Rescue
In addition to wind, golf ball hail was reported.				
<hr/>				
CARSON COUNTY --- 0.7 N SKELLYTOWN [35.58, -101.18]				
	05/27/18 19:34 CST		0	Hail (1.00 in)
	05/27/18 19:34 CST		0	Source: Public
Mping report.				
<hr/>				
CARSON COUNTY --- 0.7 N SKELLYTOWN [35.58, -101.18]				
	05/27/18 19:36 CST		0	Hail (1.00 in)
	05/27/18 19:36 CST		0	Source: Trained Spotter
Report of quarter sized hail and strong outflow winds from storm.				
<hr/>				
CARSON COUNTY --- 0.7 N SKELLYTOWN [35.58, -101.18]				
	05/27/18 19:36 CST		0	Thunderstorm Wind (EG 52 kt)
	05/27/18 19:36 CST		0	Source: Trained Spotter
Reports of quarter sized hail and strong outflow winds from storm.				
<hr/>				
GRAY COUNTY --- 0.6 W KINGS MILL [35.48, -101.08]				
	05/27/18 19:50 CST		0	Hail (1.75 in)
	05/27/18 19:50 CST		0	Source: Trained Spotter
Report received from the spotter network.				
<hr/>				
GRAY COUNTY --- 1.3 WSW PAMPA [35.52, -100.99]				
	05/27/18 20:00 CST		0	Hail (1.75 in)
	05/27/18 20:00 CST		0	Source: Law Enforcement
Golf ball sized hail on highway 60 southwest of Pampa.				
<hr/>				
GRAY COUNTY --- 1.3 WSW PAMPA [35.52, -100.99]				
	05/27/18 20:00 CST		0	Thunderstorm Wind (EG 51 kt)
	05/27/18 20:00 CST		0	Source: Law Enforcement
Deputy reported transformers were blowing up around him off highway 60 southwest of Pampa, with very strong winds.				
<hr/>				
GRAY COUNTY --- 2.2 NE KINGS MILL [35.50, -101.04]				
	05/27/18 20:06 CST		0	Thunderstorm Wind (EG 70 kt)
	05/27/18 20:06 CST		0	Source: Trained Spotter
Potential rear flank downdraft from the storm.				
<hr/>				
GRAY COUNTY --- 1.5 NNE PAMPA [35.55, -100.96], 1.5 NNE PAMPA [35.55, -100.96], 1.5 NNE PAMPA [35.55, -100.96], 1.5 NNE PAMPA [35.55, -100.96]				

Storm Data and Unusual Weather Phenomena - May 2018

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/27/18 20:10 CST		0	Flood (due to Heavy Rain)
	05/27/18 21:10 CST		0	Source: Emergency Manager
Minor street flooding in Pampa.				
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GRAY COUNTY --- 3.1 WNW PAMPA [35.55, -101.02]				
	05/27/18 20:15 CST		0	Hail (2.00 in)
	05/27/18 20:15 CST		0	Source: Social Media
Facebook report with photos.				
<hr/>				
GRAY COUNTY --- 1.5 NNE PAMPA [35.55, -100.96]				
	05/27/18 20:17 CST		0	Hail (2.75 in)
	05/27/18 20:17 CST		0	Source: Public
Baseball hail a few blocks north of the blowing alley.				
<hr/>				
GRAY COUNTY --- 1.3 ESE PAMPA [35.52, -100.95]				
	05/27/18 20:20 CST		0	Hail (2.75 in)
	05/27/18 20:20 CST		0	Source: Social Media
Facebook report.				
<hr/>				
GRAY COUNTY --- 4.8 S PAMPA [35.46, -100.97]				
	05/27/18 20:22 CST		0	Hail (1.75 in)
	05/27/18 20:22 CST		0	Source: Local Official
Local official south of Pampa reporting golf ball sized hail.				
<hr/>				
GRAY COUNTY --- 0.6 E PAMPA [35.53, -100.96]				
	05/27/18 20:25 CST		0	Hail (2.50 in)
	05/27/18 20:25 CST		0	Source: Public
Tennis ball hail.				
<hr/>				
GRAY COUNTY --- 1.5 NNW PAMPA [35.55, -100.98]				
	05/27/18 20:26 CST		0	Hail (1.75 in)
	05/27/18 20:26 CST		0	Source: Public
<hr/>				
GRAY COUNTY --- 1.3 ENE LEFORS [35.44, -100.80]				
	05/27/18 20:47 CST		0	Thunderstorm Wind (EG 52 kt)
	05/27/18 20:47 CST		0	Source: Law Enforcement
Reported by law enforcement.				
<p>Two main supercells developed under moderate to strong instability, shear around 30 kt, steep mid-level lapse rates and divergence in the upper levels. Low-level jet also developed after sunset to have storms continue into the evening hours. Northern supercell across northern TX and southern OK Panhandle produce hail up to quarters and wind gusts above 60 MPH. Southern supercell across east central TX Panhandle produced up to baseball sized hail and and wind gusts up to 60 MPH.</p>				
<hr/>				
SHERMAN COUNTY --- 2.1 S MALLETT [36.32, -102.10]				
	05/28/18 16:39 CST		0	Hail (1.00 in)
	05/28/18 16:39 CST		0	Source: Trained Spotter
Trained spotter reported quarter size hail.				
<hr/>				
SHERMAN COUNTY --- 2.1 NNW MALLETT [36.38, -102.11]				
	05/28/18 16:52 CST		0	Hail (1.25 in)
	05/28/18 16:52 CST		0	Source: Trained Spotter
Reported by social network.				

Storm Data and Unusual Weather Phenomena - May 2018

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
SHERMAN COUNTY --- 2.7 NE MALLETT [36.38, -102.07]				
	05/28/18 16:53 CST	0		Hail (1.75 in)
	05/28/18 16:53 CST	0		Source: Broadcast Media
HANSFORD COUNTY --- 3.9 W SPEARMAN [36.20, -101.27]				
	05/28/18 17:08 CST	0		Hail (1.00 in)
	05/28/18 17:08 CST	0		Source: Storm Chaser
OCHILTREE COUNTY --- 10.5 N FARNSWORTH [36.43, -101.00]				
	05/28/18 18:16 CST	0		Hail (1.30 in)
	05/28/18 18:16 CST	0		Source: NWS Employee
SHERMAN COUNTY --- 9.1 S LAUTZ [36.09, -102.01]				
	05/28/18 18:45 CST	0		Hail (1.00 in)
	05/28/18 18:45 CST	0		Source: Trained Spotter
Late report of quarter size hail, with time estimated from radar.				
HANSFORD COUNTY --- 8.4 W GRUVER [36.26, -101.55]				
	05/28/18 19:34 CST	0		Hail (3.00 in)
	05/28/18 19:34 CST	0		Source: Public
HANSFORD COUNTY --- 7.8 NW GRUVER [36.34, -101.51]				
	05/28/18 19:40 CST	0		Hail (2.75 in)
	05/28/18 19:40 CST	0		Source: Public
Report received by Twitter.				
HUTCHINSON COUNTY --- 2.8 SSE PRINGLE [35.91, -101.44]				
	05/28/18 19:57 CST	0		Hail (1.00 in)
	05/28/18 19:57 CST	0		Source: Public
Late report of quarter size hail, with a time estimated from radar.				
HUTCHINSON COUNTY --- 4.7 WSW PRINGLE [35.93, -101.53]				
	05/28/18 20:01 CST	0		Hail (1.75 in)
	05/28/18 20:01 CST	0		Source: Public
Late report received, and the time was estimated on radar.				
HANSFORD COUNTY --- 9.1 S HITCHLAND [36.37, -101.28]				
	05/28/18 20:05 CST	0		Hail (1.75 in)
	05/28/18 20:05 CST	0		Source: Law Enforcement
Reported on County Road 1261, northeast of Gruver.				
HANSFORD COUNTY --- 0.7 S SPEARMAN [36.19, -101.20]				
	05/28/18 20:56 CST	0		Hail (1.50 in)
	05/28/18 20:56 CST	0		Source: Storm Chaser
Report received by spotter network.				
HANSFORD COUNTY --- 1.5 SSE SPEARMAN [36.18, -101.19]				
	05/28/18 20:56 CST	0		Hail (1.00 in)
	05/28/18 20:56 CST	0		Source: Law Enforcement
HANSFORD COUNTY --- 8.8 SSW SPEARMAN [36.08, -101.25]				
	05/28/18 20:57 CST	0		Hail (1.00 in)
	05/28/18 20:57 CST	0		Source: Trained Spotter

Storm Data and Unusual Weather Phenomena - May 2018

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
OCHILTREE COUNTY --- 15.0 SE FARNSWORTH [36.10, -100.82]				
	05/28/18 21:50 CST		0	Funnel Cloud
	05/28/18 21:50 CST		0	Source: Storm Chaser
Funnel cloud one third of the way down.				
OCHILTREE COUNTY --- 10.4 SE FARNSWORTH [36.19, -100.82]				
	05/28/18 22:00 CST		0	Hail (1.50 in)
	05/28/18 22:00 CST		0	Source: NWS Employee
OCHILTREE COUNTY --- 16.7 SSE PERRYTON MUNI ARPT [36.17, -100.66]				
	05/28/18 22:02 CST		0	Funnel Cloud
	05/28/18 22:02 CST		0	Source: Storm Chaser
Funnel cloud reported three quarters of the way down at location. Report relayed by Twitter.				
LIPSCOMB COUNTY --- 1.5 NNW DARROUZETT [36.45, -100.33]				
	05/28/18 22:50 CST		0	Thunderstorm Wind (EG 52 kt)
	05/28/18 22:50 CST		0	Source: Public
Late report with time estimated from radar.				
LIPSCOMB COUNTY --- 3.5 N LIPSCOMB [36.28, -100.27]				
	05/28/18 22:51 CST		0	Hail (1.25 in)
	05/28/18 22:51 CST		0	Source: Public
Late report, with time estimated from radar.				
<p>An active day of severe weather across the Panhandles. The main 500-300 mb synoptic pattern the morning into the afternoon of the 28th showed an upper level low pressure moving through the central Rockies with an embedded jet streak rounding the base of the upper level low pressure across portions of Arizona and New Mexico. This resulted in a large region of favorable ascent with high mid level lapse rates above 8 C/km across the northern Panhandles in the left exit region of the jet streak. A surface dryline also developed across the western Panhandles where good surface based directional shear was established along this boundary of SE winds ahead of the dryline vs. SW to westerly behind the boundary. Ahead of the dryline, 850-700 mb moisture surged northward with good 20-30 kts mean southerly wind flow to further enhance the gradient setup across the dryline. Morning sounding profiles did show some cap, but with good heating during the day, thunderstorms eventually developed along the dryline. With sufficient SBCAPE of 2000-3000 J/kg, effective shear of 30-40 kts, and good CAPE in the hail growth zone given low freezing levels, storms developed in multi cell clusters. Individual cells did have a strong updraft to produce hail sizes that maxed out around 3" in diameter; along with damaging winds gusts/reports. Thunderstorms across the northern and central half of the cluster did eventually cluster up to form line segments. With the daytime heating still in place into the early evening hours, coupled with 0-1 km SRH values around 200 m2/s2, enough low level rotation did drop 2 tornadoes across Texas County, OK with an EF-0 and EF-1 rating. Storms remained mostly cellular on the southern segment of storms where large hail and strong rotating thunderstorms continued into the late evening hours across the eastern Panhandles before the storms exiting east of the region during the overnight hours.</p>				
ROBERTS COUNTY --- 0.9 SW MIAMI [35.69, -100.64]				
	05/29/18 16:13 CST		0	Hail (1.00 in)
	05/29/18 16:13 CST		0	Source: Trained Spotter
Hail ranging from dime to quarter size.				
LIPSCOMB COUNTY --- 5.7 ESE BOOKER [36.43, -100.43]				
	05/29/18 16:25 CST		0	Hail (1.75 in)
	05/29/18 16:25 CST		0	Source: Public
Picture received of golf ball sized hail.				
GRAY COUNTY --- 3.2 NNE LAKETON [35.59, -100.60]				
	05/29/18 16:31 CST		0	Hail (2.75 in)
	05/29/18 16:31 CST		0	Source: Storm Chaser
Baseball sized hail reported.				

Storm Data and Unusual Weather Phenomena - May 2018

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
GRAY COUNTY --- 3.6 ENE LAKETON [35.57, -100.57]				
	05/29/18 16:32 CST	0		Hail (1.75 in)
	05/29/18 16:32 CST	0		Source: Trained Spotter
GRAY COUNTY --- 1.1 E LAKETON [35.55, -100.61]				
	05/29/18 16:33 CST	0		Funnel Cloud
	05/29/18 16:33 CST	0		Source: Storm Chaser
Storm chaser video showed a funnel cloud.				
WHEELER COUNTY --- 0.6 W NEW MOBEETIE [35.53, -100.44]				
	05/29/18 16:35 CST	0		Hail (2.00 in)
	05/29/18 17:20 CST	0		Source: Public
Hail from golf ball to hen egg size fell for 45 minutes. Report received by Facebook messenger.				
GRAY COUNTY --- 4.8 SE LAKETON [35.50, -100.57]				
	05/29/18 16:36 CST	0		Tornado (EF0, L: 0.10 mi , W: 50 yd)
	05/29/18 16:37 CST	0		Source: Storm Chaser
A brief tornado touchdown occurred in an open field with nothing known to have been damaged.				
LIPSCOMB COUNTY --- 1.5 NNW DARROUZETT [36.45, -100.33]				
	05/29/18 16:44 CST	0		Hail (1.25 in)
	05/29/18 16:44 CST	0		Source: Trained Spotter
WHEELER COUNTY --- 3.2 SSE MOBEETIE [35.48, -100.40]				
	05/29/18 16:57 CST	0		Hail (1.00 in)
	05/29/18 16:57 CST	0		Source: Storm Chaser
Report received from the spotter network.				
WHEELER COUNTY --- 2.8 S MOBEETIE [35.48, -100.43]				
	05/29/18 17:09 CST	0		Tornado (EF0, L: 0.10 mi , W: 50 yd)
	05/29/18 17:10 CST	0		Source: County Official
A brief tornado touchdown was observed by the Wheeler County Judge and a storm chaser in the area. The touchdown occurred in an open field with nothing known to have been damaged as a result.				
WHEELER COUNTY --- 3.2 SSE WHEELER [35.41, -100.24]				
	05/29/18 17:17 CST	0		Hail (1.00 in)
	05/29/18 17:17 CST	0		Source: Storm Chaser
Report received from the spotter network.				
WHEELER COUNTY --- 0.9 SW WHEELER [35.44, -100.28]				
	05/29/18 17:20 CST	0		Hail (3.00 in)
	05/29/18 17:20 CST	0		Source: Public
Report received by Twitter.				
WHEELER COUNTY --- 3.5 S WHEELER [35.40, -100.28]				
	05/29/18 17:26 CST	0		Funnel Cloud
	05/29/18 17:26 CST	0		Source: Storm Chaser
Storm chaser video showed a funnel cloud.				
WHEELER COUNTY --- 0.9 SW WHEELER [35.44, -100.28]				
	05/29/18 17:45 CST	0		Hail (3.00 in)
	05/29/18 17:45 CST	0		Source: Broadcast Media

Storm Data and Unusual Weather Phenomena - May 2018

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Report relayed from Broadcast Media.

WHEELER COUNTY --- 0.9 SW WHEELER [35.44, -100.28]

	05/29/18 17:48 CST		0	Hail (2.75 in)
	05/29/18 17:48 CST		0	Source: Broadcast Media

Broadcast media relayed the report of baseball sized hail.

Dryline setup across the eastern Panhandles in-conjunction with residual outflow boundaries from convection from the previous day set the stages for supercell development. SBCAPE values of 2000-3000 J/kg in a very favorable low level moisture environment ahead of the dryline along with effective SRH of 100-200 m2/s2 due to good low level directional shear. Two supercells developed in the afternoon hours on the 29th in the eastern TX Panhandle. The northern storm became a left mover and produced hail up to golf balls with damaging wind gusts in the northeastern combined Panhandles before exiting the region. The right mover moved through the southeast TX Panhandle was a larger and stronger storm. This supercell had strong rotation and eventually dropped a tornado in two different locations in its path; both rated EF-0, along with very large hail up to 3" in diameter in the town of Wheeler.

DALLAM COUNTY --- 1.8 NW KERRICK [36.50, -102.24]

	05/30/18 18:21 CST		0	Hail (1.00 in)
	05/30/18 18:21 CST		0	Source: Trained Spotter

SHERMAN COUNTY --- 8.9 E STRATFORD [36.43, -101.91]

	05/30/18 18:58 CST		0	Thunderstorm Wind (EG 52 kt)
	05/30/18 18:58 CST		0	Source: NWS Employee

Two semi-trailers likely blown down due to winds. Damage is along highway 54, just northeast of county road 15.

SHERMAN COUNTY --- 7.2 WSW TEXHOMA [36.46, -101.82]

	05/30/18 19:02 CST		0	Hail (2.00 in)
	05/30/18 19:02 CST		0	Source: NWS Employee

Two inch diameter hail near the intersection of FM 119 and county road D.

HANSFORD COUNTY --- 5.0 NE GRUVER [36.33, -101.35]

	05/30/18 19:44 CST		0	Hail (1.25 in)
	05/30/18 19:44 CST		0	Source: Storm Chaser

Half Dollar size hail north of Gruver.

HANSFORD COUNTY --- 5.1 NNE GRUVER [36.34, -101.37]

	05/30/18 19:45 CST		0	Hail (1.25 in)
	05/30/18 19:45 CST		0	Source: Storm Chaser

Measured 1.25 inch diameter hail and reported approximately 6 miles north-northeast of Gruver.

HANSFORD COUNTY --- 6.2 N GRUVER [36.36, -101.41]

	05/30/18 19:50 CST		0	Hail (1.50 in)
	05/30/18 19:50 CST		0	Source: NWS Employee

Half dollar to ping pong ball sized hail fell near the intersection of highway 136 and FM 2535.

HANSFORD COUNTY --- 4.3 NE SPEARMAN [36.24, -101.14]

	05/30/18 20:02 CST		0	Thunderstorm Wind (EG 52 kt)
	05/30/18 20:02 CST		0	Source: Storm Chaser

Storm chaser reports a downed power line along Highway 15 northeast of Spearman.

HANSFORD COUNTY --- 9.2 ENE GRUVER [36.34, -101.26]

	05/30/18 20:07 CST		0	Hail (1.50 in)
	05/30/18 20:07 CST		0	Source: Storm Chaser

Ping Pong ball sized hail northeast of the town of Gruver.

Storm Data and Unusual Weather Phenomena - May 2018

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
OCHILTREE COUNTY --- 4.4 WSW PERRYTON [36.37, -100.87]				
	05/30/18 20:16 CST		0	Thunderstorm Wind (EG 52 kt)
	05/30/18 20:16 CST		0	Source: Storm Chaser
Snapped power line approximately 3 to 4 miles southwest of Perryton, along highway 15.				
OCHILTREE COUNTY --- 1.3 WNW TWICHELL [36.44, -100.74]				
	05/30/18 20:30 CST		0	Thunderstorm Wind (EG 52 kt)
	05/30/18 20:30 CST		0	Source: Law Enforcement
Late report of high line poles down from damaging winds northeast of Perryton via sheriff.				
LIPSCOMB COUNTY --- 2.6 ENE LIPSCOMB [36.25, -100.23]				
	05/30/18 20:36 CST		0	Thunderstorm Wind (EG 52 kt)
	05/30/18 20:36 CST		0	Source: Trained Spotter
Wind damage reported east-northeast of Lipscomb.				
LIPSCOMB COUNTY --- 5.0 W LIPSCOMB [36.23, -100.36]				
	05/30/18 20:55 CST		0	Hail (2.00 in)
	05/30/18 20:55 CST		0	Source: Broadcast Media
Local media posted on social media a picture of large hail about 2 inches in diameter.				
LIPSCOMB COUNTY --- 4.9 N DARROUZETT [36.50, -100.31]				
	05/30/18 21:01 CST		0	Funnel Cloud
	05/30/18 21:01 CST		0	Source: Emergency Manager
Funnel cloud reported north of Darrouzett near the state line.				
LIPSCOMB COUNTY --- 2.1 SSW LIPSCOMB [36.20, -100.28]				
	05/30/18 21:05 CST		0	Hail (1.75 in)
	05/30/18 21:05 CST		0	Source: Public
Via Facebook.				
LIPSCOMB COUNTY --- LIPSCOMB [36.23, -100.27]				
	05/30/18 21:07 CST		0	Hail (1.75 in)
	05/30/18 21:07 CST		0	Source: Law Enforcement
LIPSCOMB COUNTY --- 7.5 WNW HIGGINS [36.17, -100.14]				
	05/30/18 21:15 CST		0	Thunderstorm Wind (EG 52 kt)
	05/30/18 21:15 CST		0	Source: Law Enforcement
Large tree limbs across Highway 213 just west of 1454 required crews to remove.				
LIPSCOMB COUNTY --- 0.6 W HIGGINS [36.12, -100.03]				
	05/30/18 21:25 CST		0	Hail (2.50 in)
	05/30/18 21:25 CST		0	Source: Trained Spotter
All windows blown out on the north side of a home.				
LIPSCOMB COUNTY --- 0.6 W HIGGINS [36.12, -100.03]				
	05/30/18 22:25 CST		0	Hail (1.75 in)
	05/30/18 22:25 CST		0	Source: Law Enforcement

A SW-NE jet streak segment set up across New Mexico with good lift downstream of the jet max across the northern Panhandles where a strong 500 mb 40 kt. jet was also present across the Panhandles. A perturbation in the mean 500 mb flow moving across the southern Rockies helped to generate a small but strong line segment across eastern New Mexico which eventually moved east throughout the Oklahoma and far northern Texas Panhandles. The path of the line-segment storms followed along a noticeable 850-700 mb moisture gradient oriented NW-SE just downstream of the 700 mb perturbation axis. As the line of storms raced east, large hail up to tennis ball

Storm Data and Unusual Weather Phenomena - May 2018

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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sized cause some damages to home. Damaging wind gusts from RFD's and the storms progression did also cause some damage. On the southern edge of the line, even a funnel cloud was reported at one point in far NE TX Panhandle.

LIPSCOMB COUNTY --- 0.9 NW BOOKER [36.46, -100.54]

	05/30/18 23:01 CST		0	Hail (0.88 in)
	05/30/18 23:01 CST		0	Source: Trained Spotter

Late report of nickel sized hail.

LIPSCOMB COUNTY --- 1.1 W BOOKER [36.45, -100.55]

	05/30/18 23:01 CST		0	Hail (1.00 in)
	05/30/18 23:01 CST		0	Source: Trained Spotter

Late report of quarter sized hail around midnight with second storm.

A continuation of an event starting on 5/30 with reports lingering into the early morning hours of the 31st. Synopsis of main event is below:

A SW-NE jet streak segment set up across New Mexico with good lift downstream of the jet max across the northern Panhandles where a strong 500 mb 40 kt. jet was also present across the Panhandles. A perturbation in the mean 500 mb flow moving across the southern Rockies helped to generate a small but strong line segment across eastern New Mexico which eventually moved east throughout the Oklahoma and far northern Texas Panhandles. The path of the line-segment storms followed along a noticeable 850-700 mb moisture gradient oriented NW-SE just downstream of the 700 mb perturbation axis. As the line of storms raced east, large hail up to tennis ball sized cause some damages to home. Damaging wind gusts from RFD's and the storms progression did also cause some damage. On the southern edge of the line, even a funnel cloud was reported at one point in far NE TX Panhandle.