

Storm Data and Unusual Weather Phenomena - July 2017

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
OKLAHOMA, Panhandle				
BEAVER COUNTY --- 3.9 W LOGAN [36.57, -100.29]				
	07/03/17 16:05 CST	0		Hail (1.00 in)
	07/03/17 16:05 CST	0		Source: Trained Spotter
Quarter size hail was reported.				
<p>Two separate areas of convection developed which eventually moved parallel across the southern TX Panhandle by evening hours. The first area of convection developed diurnally across eastern NM and moved southeast across parts of the central and western TX Panhandle along a pronounced 850-700 moisture axis with good SBCAPE of 1000-2000 J/Kg. A second area of convection developed across the northeastern Panhandles associated with a southeastward propagating 500 hPa trough. Across the second region of storm development, better effective shear supported supercells with large hail at first before storms congealed into a line and became more of a wind threat. Both complexes of storms produced many wind and large hail reports before exiting the region the evening of the 3rd.</p>				
BEAVER COUNTY --- 3.0 NW LOGAN [36.60, -100.26]				
	07/26/17 16:20 CST	0		Thunderstorm Wind (MG 56 kt)
	07/26/17 16:20 CST	0		Source: Mesonet
BEAVER COUNTY --- 2.7 SW LOGAN [36.54, -100.25]				
	07/26/17 16:30 CST	0		Thunderstorm Wind (EG 52 kt)
	07/26/17 16:30 CST	0		Source: Emergency Manager
Ten power poles blown down and a center pivot irrigation system was overturned.				
BEAVER COUNTY --- 7.0 SW LOGAN [36.50, -100.31]				
	07/26/17 16:30 CST	0		Thunderstorm Wind (EG 52 kt)
	07/26/17 16:30 CST	0		Source: Public
Estimated 60 MPH wind gust.				
<p>A perturbation in the mean weak flow aloft rounding the eastern side of the anti-cyclonic flow centered over eastern New Mexico provided the lift for diurnal thunderstorms. In a moderate CAPE and weak shear environment, forcing for ascent for convection came with residual outflow boundaries followed by a cold front moving south into the Panhandles the evening of the 26th. Fragmented linear convection lines with embedded cells developed with several reports of damaging property with strong wind gusts.</p>				
TEXAS, North Panhandle				
DALLAM COUNTY --- 5.7 WSW WARE [36.14, -102.79]				
	07/02/17 17:40 CST	0		Thunderstorm Wind (EG 52 kt)
	07/02/17 17:40 CST	0		Source: Emergency Manager
Late report of thunderstorm wind gusts estimated up to 60 MPH.				
POTTER COUNTY --- 0.9 NE BUSHLAND [35.19, -102.06]				
	07/02/17 21:44 CST	0		Hail (0.88 in)
	07/02/17 21:44 CST	0		Source: NWS Employee
Accumulating hail.				
POTTER COUNTY --- 0.9 NE BUSHLAND [35.19, -102.06]				
	07/02/17 21:46 CST	0		Hail (1.00 in)
	07/02/17 21:46 CST	0		Source: NWS Employee
Some quarter size hail with the accumulating hail.				
RANDALL COUNTY --- 6.2 NW TIMBERCREEK CANYON [35.10, -101.91]				
	07/02/17 21:52 CST	0		Hail (0.75 in)
	07/02/17 21:52 CST	0		Source: Trained Spotter

Storm Data and Unusual Weather Phenomena - July 2017

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
----------	-----------	-------------------	---------------------	------------------------

Some accumulating hail on I 27 south at Sundown exit.

Diurnal convection that developed in the high terrain of NM/CO advected southeast into the western TX Panhandle. With good 500 hPa flow of around 20 kts, storms had enough mid level motion to move into an environment of MUCAPE/SBCAPE of 1000-2000 J/Kg. With effective shear of around 30 kts, singular cells eventually moved south into a linear complex with a gusty winds and hail threat into the late afternoon hours on the 2nd. Thunderstorm dissipated as the outflow raced ahead and provided no support for storms that already initiated and storms dissipated by evening hours.

LIPSCOMB COUNTY --- 3.9 WSW DARROUZETT [36.40, -100.38]

07/03/17 16:02 CST	0	Hail (1.75 in)
07/03/17 16:02 CST	0	Source: Trained Spotter

DEAF SMITH COUNTY --- BOOTLEG [34.83, -102.81]

07/03/17 16:21 CST	0	Hail (1.75 in)
07/03/17 16:21 CST	0	Source: Emergency Manager

LIPSCOMB COUNTY --- LIPSCOMB [36.23, -100.27]

07/03/17 16:40 CST	0	Thunderstorm Wind (EG 52 kt)
07/03/17 16:40 CST	0	Source: Law Enforcement

Estimated 60 MPH wind gust.

DEAF SMITH COUNTY --- 4.5 SW MILO CENTER [34.93, -102.45]

07/03/17 17:01 CST	0	Thunderstorm Wind (EG 52 kt)
07/03/17 17:01 CST	0	Source: Trained Spotter

Storm spotter estimated thunderstorm wind gusts around 60 mph.

OCHILTREE COUNTY --- 23.3 SSE PERRYTON MUNI ARPT [36.10, -100.56]

07/03/17 17:16 CST	0	Hail (1.75 in)
07/03/17 17:16 CST	0	Source: Public

Facebook report of golf ball size hail.

HEMPHILL COUNTY --- 0.7 N CANADIAN [35.91, -100.38]

07/03/17 17:29 CST	0	Thunderstorm Wind (EG 52 kt)
07/03/17 17:29 CST	0	Source: Law Enforcement

Thunderstorm wind gust up to 60 MPH.

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

07/03/17 17:29 CST	0	Hail (1.50 in)
07/03/17 17:29 CST	0	Source: Public

Ping pong size hail reported via Facebook with picture received.

OLDHAM COUNTY --- 0.6 E WILDORADO [35.20, -102.19]

07/03/17 17:35 CST	0	Hail (1.00 in)
07/03/17 17:35 CST	0	Source: Trained Spotter

Estimated dime to quarter size hail falling at time of the report.

HEMPHILL COUNTY --- 5.0 NW CANADIAN HEMPHILL AR [35.96, -100.45]

07/03/17 17:43 CST	0	Thunderstorm Wind (EG 61 kt)
07/03/17 17:43 CST	0	Source: Storm Chaser

Wind speed up to 70 MPH.

HEMPHILL COUNTY --- 5.8 ENE CANADIAN [35.92, -100.28]

07/03/17 17:44 CST	0	Thunderstorm Wind (MG 50 kt)
07/03/17 17:44 CST	0	Source: Mesonet

Storm Data and Unusual Weather Phenomena - July 2017

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
HEMPHILL COUNTY --- 5.9 NW CANADIAN HEMPHILL AR [35.97, -100.46]				
	07/03/17 17:45 CST	0		Thunderstorm Wind (EG 52 kt)
	07/03/17 17:45 CST	0		Source: Storm Chaser
Large tree branches down due to winds from thunderstorm.				
RANDALL COUNTY --- 13.1 W AMARILLO [35.18, -102.05]				
	07/03/17 17:59 CST	0		Hail (1.25 in)
	07/03/17 17:59 CST	0		Source: Public
Late report of half dollar size hail reported via Twitter.				
RANDALL COUNTY --- 13.6 W AMARILLO [35.18, -102.06]				
	07/03/17 17:59 CST	0		Hail (1.00 in)
	07/03/17 17:59 CST	0		Source: Trained Spotter
RANDALL COUNTY --- 2.8 E CANYON [34.98, -101.87]				
	07/03/17 18:12 CST	0		Thunderstorm Wind (EG 52 kt)
	07/03/17 18:12 CST	0		Source: NWS Employee
Thunderstorm winds up to 60 MPH reported.				
RANDALL COUNTY --- 6.8 WSW AMARILLO [35.16, -101.93]				
	07/03/17 18:18 CST	0		Hail (0.75 in)
	07/03/17 18:18 CST	0		Source: NWS Employee
Dime to penny size hail.				
HEMPHILL COUNTY --- 5.8 ENE CANADIAN [35.92, -100.28]				
	07/03/17 18:24 CST	0		Thunderstorm Wind (MG 54 kt)
	07/03/17 18:24 CST	0		Source: Mesonet
Thunderstorm wind gust measured up to 62 MPH with storm.				
ROBERTS COUNTY --- 2.8 NNW CODMAN [35.68, -100.76]				
	07/03/17 19:00 CST	0		Hail (0.75 in)
	07/03/17 19:00 CST	0		Source: Public
CARSON COUNTY --- 0.6 E SKELLYTOWN [35.57, -101.17]				
	07/03/17 19:05 CST	0		Hail (2.50 in)
	07/03/17 19:05 CST	0		Source: Fire Department/Rescue
Hen egg to tennis ball sized hail reported following at this time.				
GRAY COUNTY --- 1.5 NNE PAMPA [35.55, -100.96]				
	07/03/17 19:43 CST	0		Hail (0.88 in)
	07/03/17 19:43 CST	0		Source: Trained Spotter
<p>Two separate areas of convection developed which eventually moved parallel across the southern TX Panhandle by evening hours. The first area of convection developed diurnally across eastern NM and moved southeast across parts of the central and western TX Panhandle along a pronounced 850-700 moisture axis with good SBCAPE of 1000-2000 J/Kg. A second area of convection developed across the northeastern Panhandles associated with a southeastward propagating 500 hPa trough. Across the second region of storm development, better effective shear supported supercells with large hail at first before storms congealed into a line and became more of a wind threat. Both complexes of storms produced many wind and large hail reports before exiting the region the evening of the 3rd.</p>				
DEAF SMITH COUNTY --- 9.5 WSW WALCOTT [34.89, -102.99]				
	07/04/17 17:13 CST	0		Thunderstorm Wind (MG 51 kt)
	07/04/17 17:13 CST	0		Source: Mesonet
DEAF SMITH COUNTY --- 3.4 W BOOTLEG [34.83, -102.87]				

Storm Data and Unusual Weather Phenomena - July 2017

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/04/17 17:40 CST		0	Thunderstorm Wind (EG 52 kt)
	07/04/17 17:40 CST		0	Source: Trained Spotter

Winds estimated at 60 MPH by trained spotter.

DEAF SMITH COUNTY --- 1.8 NW HEREFORD [34.84, -102.42]				
Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/04/17 18:15 CST		0	Thunderstorm Wind (MG 52 kt)
	07/04/17 18:15 CST		0	Source: Mesonet

DEAF SMITH COUNTY --- HEREFORD [34.82, -102.40]				
Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/04/17 18:21 CST		0	Thunderstorm Wind (EG 52 kt)
	07/04/17 18:21 CST		0	Source: Trained Spotter

Trained spotter and sheriff deputy on the west side of Hereford reported 55 to 60 mph winds with tree limbs broken off.

DEAF SMITH COUNTY --- 1.8 NW HEREFORD [34.84, -102.42]				
Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/04/17 18:30 CST		0	Thunderstorm Wind (MG 53 kt)
	07/04/17 18:30 CST		0	Source: Mesonet

MOORE COUNTY --- DUMAS [35.85, -101.97]				
Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/04/17 19:23 CST		0	Hail (1.50 in)
	07/04/17 19:23 CST		0	Source: Emergency Manager

HUTCHINSON COUNTY --- 1.3 ENE FRITCH [35.64, -101.58]				
Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/04/17 20:20 CST		0	Thunderstorm Wind (EG 52 kt)
	07/04/17 20:20 CST		0	Source: Trained Spotter

Late report of strong winds behind outflow along with blowing dust.

POTTER COUNTY --- 5.8 ENE BUSHLAND [35.22, -101.98]				
Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/04/17 21:08 CST		0	Thunderstorm Wind (MG 50 kt)
	07/04/17 21:08 CST		0	Source: Mesonet

Instrument was cwop mesonet.

RANDALL COUNTY --- 3.6 NNW LAKE TANGLEWOOD [35.11, -101.80]				
Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/04/17 21:13 CST		0	Thunderstorm Wind (MG 51 kt)
	07/04/17 21:13 CST		0	Source: Mesonet

RANDALL COUNTY --- 3.6 SE CANYON [34.94, -101.88]				
Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/04/17 21:33 CST		0	Thunderstorm Wind (EG 56 kt)
	07/04/17 21:33 CST		0	Source: Storm Chaser

Late report of 60 to 70 MPH winds. Time estimated by radar.

A series of residual boundaries were across the Panhandles due to a series of convection over the past 48 hours leading up to this event. Upper levels indicated a trough moving SE out of the high terrain to the west with good omega values along the upper level perturbations as they ejected into the Panhandles region. With a high CAPE, low shear environment with storm motion parallel to the flow, multi-cell complex were the main storm development with damaging winds the main threat as generated from the outflow of storms and the down-burst within the embedded cells.. Diurnally driven storms diminished in coverage late on the 4th.

(TX-Z008) HUTCHINSON				
Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/22/17 14:33 CST		0	Wildfire
	07/23/17 01:30 CST		0	

Combination of a recent dry spell and lightning led to a large wildfire in about seventeen miles north northeast of Skellytown in Hutchinson County.

(TX-Z008) HUTCHINSON				
Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/24/17 15:30 CST		0	Wildfire
	07/25/17 18:00 CST		0	

Storm Data and Unusual Weather Phenomena - July 2017

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
----------	-----------	-------------------	---------------------	------------------------

The County Road 20 Wildfire began in Hutchinson County about fourteen miles east of Pringle Texas around 1530CST. The wildfire consumed approximately four thousand acres. There were no reports of any homes or other structures threatened or destroyed and there were also no reports of any injuries or fatalities. The Texas A&M Forest Service responded to the wildfire including several other fire departments and other agencies. The wildfire was contained by 1800CST on July 25.

HUTCHINSON COUNTY --- HUTCHINSON CO ARPT [35.70, -101.40]	07/24/17 15:57 CST		0	Thunderstorm Wind (MG 53 kt)
	07/24/17 15:57 CST		0	Source: ASOS

HUTCHINSON COUNTY --- 1.5 SSW BORGER [35.65, -101.39]	07/24/17 16:10 CST		0	Thunderstorm Wind (MG 56 kt)
	07/24/17 16:10 CST		0	Source: Emergency Manager

Tree down on highway 152 in Borger and several traffic lights are out of service.

HUTCHINSON COUNTY --- HUTCHINSON CO ARPT [35.70, -101.40]	07/24/17 16:19 CST		0	Thunderstorm Wind (MG 59 kt)
	07/24/17 16:19 CST		0	Source: ASOS

DEAF SMITH COUNTY --- 0.9 NW HEREFORD MUNI ARPT [34.86, -102.33]	07/24/17 17:15 CST		0	Thunderstorm Wind (MG 62 kt)
	07/24/17 17:15 CST		0	Source: AWOS

The emergency manager also reported a snapped power pole at the local airport associated with this wind gust.

CAPE values of 1500-2500 J/kg along with a low shear environment with weak steering flow and residual boundaries generated diurnal convection across the TX Panhandle. In that weak steering flow, storms developed and moved in multiple directions with several severe wind reports.

POTTER COUNTY --- 7.7 NE BUSHLAND [35.27, -101.99]	07/26/17 18:00 CST		0	Thunderstorm Wind (EG 52 kt)
	07/26/17 18:00 CST		0	Source: Public

Estimated 60 MPH gust.

POTTER COUNTY --- 0.6 W AMARILLO [35.20, -101.83]	07/26/17 18:26 CST		0	Thunderstorm Wind (MG 57 kt)
	07/26/17 18:26 CST		0	Source: Broadcast Media

POTTER COUNTY --- 1.1 W AMARILLO [35.20, -101.84]	07/26/17 18:30 CST		0	Thunderstorm Wind (EG 52 kt)
	07/26/17 18:30 CST		0	Source: Public

Four trees blown down at this location in downtown Amarillo.

A perturbation in the mean weak flow aloft rounding the eastern side of the anti-cyclonic flow centered over eastern New Mexico provided the lift for diurnal thunderstorms. In a moderate CAPE and weak shear environment, forcing for ascent for convection came with residual outflow boundaries followed by a cold front moving south into the Panhandles the evening of the 26th. Fragmented linear convection lines with embedded cells developed with several reports of damaging property with strong wind gusts.

POTTER COUNTY --- 10.3 ESE VALLE DE ORO [35.42, -101.93]	07/29/17 14:15 CST		0	Thunderstorm Wind (MG 51 kt)
	07/29/17 14:15 CST		0	Source: Mesonet

POTTER COUNTY --- 10.3 ESE VALLE DE ORO [35.42, -101.93]	07/29/17 14:54 CST		0	Thunderstorm Wind (MG 56 kt)
	07/29/17 14:54 CST		0	Source: Mesonet

POTTER COUNTY --- 0.9 NE (AMA)AMARILLO INTL A [35.23, -101.71]	07/29/17 15:54 CST		0	Thunderstorm Wind (EG 50 kt)
	07/29/17 15:54 CST		0	Source: NWS Employee

Storm Data and Unusual Weather Phenomena - July 2017

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
----------	-----------	-------------------	---------------------	------------------------

East side of old airport terminal collapsed...both airport doors blown out due to microburst winds.

An upper level high was centered just south of the Texas Panhandle, with a weak stationary frontal boundary still in place across the western Texas & Oklahoma Panhandles. Showers and thunderstorms developed along this boundary, with the boundary making forward progression eastward through the day. MUCAPE values between 1000 to 2000 J/kg, SBCAPE around 300 J/Kg with very weak shear across the central Panhandles had storms quickly collapsing after forming. With all the CAPE available with a deep mixed sounding, damaging wind gusts were the primary threat and resulted in a handful of wind reports.