

Storm Data and Unusual Weather Phenomena - June 2012

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

(TX-Z021) PARMER, (TX-Z023) SWISHER, (TX-Z024) BRISCOE, (TX-Z027) BAILEY, (TX-Z028) LAMB, (TX-Z029) HALE, (TX-Z030) FLOYD, (TX-Z031) MOTLEY, (TX-Z032) COTTLE, (TX-Z033) COCHRAN, (TX-Z034) HOCKLEY, (TX-Z035) LUBBOCK, (TX-Z037) DICKENS, (TX-Z038) KING, (TX-Z039) YOAKUM, (TX-Z040) TERRY, (TX-Z041) LYNN, (TX-Z043) KENT, (TX-Z044) STONEWALL

06/01/12 00:00 CST	0	Drought
06/30/12 23:59 CST	0	

Overall drought conditions were further reduced again during the month of June. Exceptional (D4) conditions were eliminated from the region with most other drought levels areas shrinking in size. Areas experiencing Moderate (D1) conditions saw the largest expansion over the eastern South Plains and western Rolling Plains. June saw its typical transition from the wet spring season to the hot summer season.

The first half of the month through the middle of June saw significant rainfall over a large portion of the South Plains and Rolling Plains. The wettest areas were the southeastern Texas panhandle and eastern South Plains. On the 13th, Childress measured 3.40" of rainfall while Memphis measured 3.75" which were nearly the entire totals for the month for these two sites. The southern Rolling Plains and southern South Plains generally saw less than one inch of rainfall through the entire month. Some selected rainfall totals include 7.23" at White River Lake, 6.81" at Abernathy, 5.69" at Tulia, 5.27" at Spur, 4.98" at Ralls, and 0.53" at Plains. Rainfall amounts in a majority of locations were much improved over this time in 2011. With the abundant rainfall, most areas experienced temperatures near normal for the first half of the month. However, an upper level high pressure system developed toward the end of the month which is typical for June. This system increased temperatures into the 100s. Keetch-Byram Drought Index Values worsened by the end of the month. Values between 600 and 700 were observed over the western South Plains and southeastern Texas Panhandle. Values between 500 and 600 were observed elsewhere.

By the end of the month, irrigation was being used at full capacity by area farmers. There still existed a large moisture deficit over the entire region. There was also some damage to crops due to hail storms over the northwestern South Plains and portions of the Rolling Plains. Many counties continued with burn bans however wildfire activity remained low due to significant amounts of rainfall.

Economic losses due to drought through June since the drought began were estimated near \$2.4 billion.

BRISCOE COUNTY --- 15.7 NNW SILVERTON [34.66, -101.45]

06/01/12 17:55 CST	0	Hail (1.75 in)
06/01/12 17:55 CST	0	Source: County Official

A local official estimated golfball size hail eight miles north of Mackenzie Reservoir. No damage was reported.

SWISHER COUNTY --- 11.0 WSW TULIA ARPT [34.49, -101.96], 12.3 WSW TULIA [34.46, -101.97]

06/01/12 20:30 CST	8K	Thunderstorm Wind (EG 78 kt)
06/01/12 20:32 CST	0	Source: NWS Storm Survey

A partially upkept barn about 11 miles west-southwest of Tulia was destroyed by downburst winds from a severe thunderstorm. About one quarter of the structure remained intact. An NWS storm survey found debris from the barn carried at least one mile southward and fanned outward in a divergent pattern up to 500 yards wide. This pattern of debris is a distinct characteristic of a downburst. In addition, a center pivot on the southwest corner of FM 928 and CR 3 about two miles south-southwest of the barn was flipped over. Winds were determined to be at least 90 mph.

Late this afternoon and evening, northwesterly winds aloft carried widely scattered thunderstorms southeastward from the central Texas Panhandle. One of these storms became a supercell and tracked southeast into western Briscoe County producing large hail up to golfball size at times. Farther west and later in the evening, a downburst from a severe multicellular storm destroyed a barn and overturned a center-pivot irrigation system near Lakeview in southwest Swisher County.

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This high-based supercell tracked southward across eastern Swisher and western Briscoe counties accompanied by large hail up to golf ball size. Photo courtesy of Matt Ziebell.

BAILEY COUNTY --- 0.6 W NEEDMORE [34.03, -102.74], 0.2 NE CIRCLE BACK [34.03, -102.67]

06/02/12 17:38 CST	0	Hail (1.75 in)
06/02/12 17:44 CST	0	Source: Public

The public estimated golf ball size hail in Needmore at 1638 CST and a NWS employee reported half-dollar size hail four miles east of Needmore at 1644 CST. No damage was reported.

LAMB COUNTY --- 3.5 N FRIENDSHIP [34.03, -102.59]

06/02/12 19:21 CST	0	Hail (1.00 in)
06/02/12 19:24 CST	0	Source: NWS Employee

A NWS employee reported intermittent quarter-size hail for three minutes. No damage was reported.

BAILEY COUNTY --- 4.0 E NEEDMORE [34.03, -102.66]

06/02/12 19:22 CST	0	Heavy Rain
06/02/12 20:20 CST	0	Source: NWS Employee

A NWS employee observed localized flooding from persistent heavy rains over FM 298 four miles east of Needmore. Bar ditches adjacent to a playa lake swelled over a 100-foot stretch of the roadway to a depth of a few inches.

LAMB COUNTY --- 4.2 N HART CAMP [34.09, -102.14]

06/02/12 19:55 CST	0	Thunderstorm Wind (MG 57 kt)
06/02/12 19:55 CST	0	Source: Mesonet

A Texas Tech University West Texas mesonet station measured a wind gust to 66 mph.

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
(TX-Z028) LAMB	06/02/12 21:10 CST		0	High Wind (MAX 50 kt)
	06/02/12 21:10 CST		0	

Isolated high-based severe storms developed late this afternoon over the northwestern South Plains. In spite of weak vertical wind shear, one of these storms evolved into a slow-moving supercell over western Lamb County and only moved roughly 15 miles in the span of two hours. This supercell produced large hail to golf ball size in Needmore along with torrential rains that resulted in localized flooding of one rural road. Additional storms later this evening produced two instances of high winds as measured by a Texas Tech University West Texas Mesonet station near Olton.



For two hours this high-based supercell moved a mere 15 miles as it crawled eastward from Bailey County into far western Lamb County. Large hail at times up to golf ball size and localized flooding were noted along its path. Photo courtesy of Matt Ziebell.

BRISCOE COUNTY --- 15.9 NNE QUITAQUE [34.59, -100.96]				
	06/03/12 18:30 CST		0	Hail (1.50 in)
	06/03/12 18:35 CST		0	Source: NWS Employee

Ping-pong ball size hail fell for about two minutes along Texas Highway 256 in far eastern Briscoe County. Thereafter, copious amounts of pea size hail fell for several minutes and covered the roadway until heavy rains washed much of the hail into nearby bar ditches. No damage was observed.

BRISCOE COUNTY --- 16.5 NNE QUITAQUE [34.60, -100.98], 14.1 NNE QUITAQUE [34.56, -100.97], 14.8 NNE QUITAQUE [34.56, -100.94], 17.1 NNE QUITAQUE [34.60, -100.95]				
	06/03/12 18:45 CST		0	Flash Flood (due to Heavy Rain)
	06/03/12 19:15 CST		0	Source: NWS Employee

Heavy rains from a slow-moving severe thunderstorm created several swift-moving mud flows in open ranch land along Texas Highway 256 in far eastern Briscoe County. No property damage such as washed-out fences or side roads was observed.

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
CHILDRESS COUNTY --- 1.8 ENE (CDS)CHILDRESS ARPT [34.44, -100.27]				
	06/03/12 19:20 CST		0	Thunderstorm Wind (MG 55 kt)
	06/03/12 19:20 CST		0	Source: ASOS
Measured by the Childress ASOS.				
Scattered high-based and nearly stationary thunderstorms developed in Briscoe County late this afternoon. As early evening approached, these storms intensified and moved east accompanied by localized instances of large hail up to ping-pong ball size and high winds in portions of Hall and Childress Counties.				
HALE COUNTY --- 0.9 SW HALE CENTER [34.06, -101.84]				
	06/04/12 15:05 CST		0	Hail (1.00 in)
	06/04/12 15:05 CST		0	Source: Emergency Manager
The Hale Center EMC estimated quarter size hail. No damage was reported.				
HALE COUNTY --- 0.9 SW HALE CENTER [34.06, -101.84]				
	06/04/12 15:05 CST		0	Thunderstorm Wind (EG 52 kt)
	06/04/12 15:05 CST		0	Source: Emergency Manager
Relayed by the Hale Center EMC.				
HOCKLEY COUNTY --- 2.1 N BUSTERVILLE [33.45, -102.10]				
	06/04/12 17:05 CST		16K	Thunderstorm Wind (EG 61 kt)
	06/04/12 17:05 CST		0	Source: Trained Spotter
Four utility poles were snapped along U.S. Highway 62/82.				
LUBBOCK COUNTY --- 5.1 SSW WOLFFORTH [33.43, -102.05]				
	06/04/12 17:20 CST		0	Thunderstorm Wind (MG 53 kt)
	06/04/12 17:20 CST		0	Source: Mesonet
Measured by a Texas Tech University West Texas mesonet station.				
FLOYD COUNTY --- 3.7 ESE SANDHILL [33.98, -101.42]				
	06/04/12 17:28 CST		0	Hail (1.75 in)
	06/04/12 17:28 CST		0	Source: Storm Chaser
Golf ball size hail was reported by a storm chaser. No damage was reported.				
DICKENS COUNTY --- 17.3 E DICKENS [33.60, -100.53]				
	06/04/12 19:15 CST		0	Thunderstorm Wind (EG 65 kt)
	06/04/12 19:15 CST		0	Source: COOP Observer
A COOP Observer reported several trees downed at Pitchfork Ranch.				
CROSBY COUNTY --- 2.4 WNW CROSBYTON MUNI ARPT [33.63, -101.27]				
	06/04/12 19:28 CST		0	Tornado (EF0, L: 0.01 mi , W: 20 yd)
	06/04/12 19:28 CST		0	Source: Storm Chaser
A brief tornado located about two miles southwest of Crosbyton was photographed by a storm chaser. NWS radar indicated a short-lived, low-level mesocyclone that developed along the northwest edge of an apparent surging gust front. The increased cyclonic shear to the left of the gust front's motion was likely stretched vertically and produced the brief EF0 tornado. No damage survey was conducted as the tornado was only in progress for less than one minute over open land.				
GARZA COUNTY --- 8.6 ENE JUSTICEBURG [33.07, -101.06]				
	06/04/12 20:20 CST		0	Thunderstorm Wind (MG 51 kt)
	06/04/12 20:20 CST		0	Source: Mesonet
Measured by a Texas Tech University West Texas mesonet station.				
Moisture trapped beneath a developing ridge of upper high pressure combined with strong daytime heating to fuel the development of				

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numerous thunderstorms. Although wind shear was minimal, very strong instability led to several of these storms becoming strong while growing into multicellular clusters and lines. Some of these storms produced large hail, high winds and even one very brief EF0 tornado. The large coverage of these slow-moving storms proved very beneficial to South Plains residents and farmers as a widespread rain event had not occurred since early spring.

HALE COUNTY --- 0.9 WSW HALE CENTER [34.07, -101.84], 0.8 WSW HALE CENTER [34.07, -101.84], 0.9 WSW HALE CENTER [34.06, -101.84], 0.9 WSW HALE CENTER [34.06, -101.84]

	06/06/12 06:15 CST	0	Flood (due to Heavy Rain)
	06/06/12 08:15 CST	0	Source: Law Enforcement

Law enforcement closed the I-27 underpass in Hale Center for almost two hours after repeated heavy rains flooded the roadway.

HALE COUNTY --- 1.4 SW FURGUSON STA [34.12, -101.77], 1.4 SW FURGUSON STA [34.11, -101.77], 1.5 SW FURGUSON STA [34.11, -101.77], 1.4 SW FURGUSON STA [34.12, -101.77]

	06/06/12 06:15 CST	35K	Flood (due to Heavy Rain)
	06/06/12 11:00 CST	0	Source: Newspaper

An excavator was nearly submerged by floodwaters near I-27 and Farm Road 2337. The unit was being used to clean and deepen a tail-water pit for irrigation purposes and remained inaccessible for several days until the water receded. Extensive water and corrosion damage to the motor and wiring harnesses during this time resulted in the unit being totaled. The total loss was estimated using average John Deere 690 resale values.

HALE COUNTY --- 1.3 WNW HALFWAY [34.19, -101.97]

	06/06/12 07:11 CST	0	Hail (1.00 in)
	06/06/12 07:11 CST	0	Source: Public

Quarter size hail was estimated by the public about 1.3 miles WNW of Halfway. No damage was observed.

HALE COUNTY --- 4.3 NNW COTTON CENTER [34.06, -102.02]

	06/06/12 07:38 CST	0	Hail (0.75 in)
	06/06/12 07:38 CST	0	Source: Public

The public reported penny size hail northwest of Cotton Center. No damage was reported.

LUBBOCK COUNTY --- 3.5 E IDALOU [33.67, -101.62], 3.5 E IDALOU [33.66, -101.62], 4.7 E IDALOU [33.67, -101.60], 4.6 E IDALOU [33.67, -101.60]

	06/06/12 08:40 CST	0	Flood (due to Heavy Rain)
	06/06/12 10:40 CST	0	Source: Law Enforcement

Law enforcement reported that Highway 62/82 was closed for about two hours due to a swollen playa lake from heavy rains.

GARZA COUNTY --- 1.4 SE CLOSE CITY [33.18, -101.48], 1.9 SE CLOSE CITY [33.18, -101.47], 1.9 N GRAHAM CHAPEL [33.18, -101.47], 1.7 SSE CLOSE CITY [33.18, -101.48]

	06/06/12 09:15 CST	0	Flood (due to Heavy Rain)
	06/06/12 10:30 CST	0	Source: Law Enforcement

Law enforcement reported water depths of a couple inches covering Highway 380 about seven miles west of Post.

MOTLEY COUNTY --- 0.7 N NORTHFIELD [34.29, -100.60]

	06/06/12 17:36 CST	0	Hail (1.00 in)
	06/06/12 17:36 CST	0	Source: Public

The public reported dime size hail with a few quarter-size hailstones in Northfield. No damage was reported.

Early this morning, a slow-moving upper level low that originated from a complex of thunderstorms over the South Plains on June 4th had moved over the southeast Texas Panhandle. During the pre-dawn hours, a very narrow band of elevated showers and thunderstorms developed on the southwest edge of the upper low and proceeded to move repeatedly over portions of southeast Castro, southwest Swisher, Hale, southwest Floyd, eastern Lubbock, Crosby, and Garza Counties. Rainfall rates near two inches per hour were common with some of these storms and at least one storm in southwest Hale County produced marginally severe hail. Bias-corrected NEXRAD rainfall totals indicated several swaths of 2 to 4 inches of rainfall from just east of Hart southeast to Edmonson, with another from Hale Center south-southeast to Idalou and Caprock, and more scattered instances near White River Lake and also in northwest Garza County. Heavy rains as recorded by Texas Tech University West Texas Mesonet stations included 4.42 inches 5ENE Abernathy (Hale County) and 3.74 inches 6NW White River Lake (Crosby County). Similar rains forced the closure of Interstate 27 at the Hale Center underpass for a few hours and flooded Highway 62/82 just east of Idalou until late morning. Water was also reported over Highway 380/399 about 7 miles west of Post. Precipitation diminished greatly in intensity and coverage by 1000 CST. Besides causing

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travel inconveniences, the heavy rains also damaged or in some cases wiped out portions of newly-germinated cotton fields.

As the upper low drifted east along the Red River this afternoon, another narrow band of showers and storms developed along its southwest flank by late afternoon. This activity took aim over much of Briscoe County and northern Motley County where NEXRAD indicated bias-corrected rainfall totals up to two inches in and around the community of Brice. In Northfield, one of these storms briefly became severe with quarter size hail.



A swollen playa lake engulfed a portion of Highway 62/82 east of Idalou. The highway was closed for about two hours shortly after this photo was taken. Photo received from KCBD news' Facebook web site.

SWISHER COUNTY --- 2.2 NE TULIA [34.55, -101.74]

06/12/12 04:55 CST	0		Thunderstorm Wind (MG 55 kt)
06/12/12 04:55 CST	0		Source: Mesonet

Measured by a Texas Tech West Texas Mesonet site.

SWISHER COUNTY --- 2.2 NE TULIA [34.55, -101.74]

06/12/12 05:15 CST	0		Thunderstorm Wind (MG 51 kt)
06/12/12 05:15 CST	0		Source: Mesonet

Measured by a Texas Tech West Texas Mesonet site.

A strong thunderstorm moved southeast across the far southern Texas Panhandle early this morning and later produced severe wind gusts near Tulia. The outflow boundary from this storm and a larger line of showers and storms farther north spread southward over the South Plains throughout the remainder of the morning and would later focus a second and more significant round of storms later this day.

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YOAKUM COUNTY --- 3.5 E BRONCO [33.25, -102.99], 7.8 NE PLAINS YOAKUM CO ARP [33.29, -102.75]				
	06/12/12 19:00 CST		0	Hail (1.00 in)
	06/12/12 19:25 CST		0	Source: Public
A swath of quarter size hail west and northwest of Plains. No damage was reported.				
COCHRAN COUNTY --- 11.4 SSE LEHMAN [33.46, -102.75], 0.6 E WHITEFACE [33.60, -102.61]				
	06/12/12 19:36 CST		0	Hail (2.75 in)
	06/12/12 20:00 CST		0	Source: Public
An intense anticyclonic supercell produced a hail swath up to baseball size as it moved north-northeast across eastern Cochran County. In some locations such as Whiteface, no rain, but only large hail accompanied the supercell's passage. Although sporadic property and crop damage likely occurred in eastern Cochran County, no reports were received.				
PARMER COUNTY --- 1.3 WNW FRIONA BENDER ARPK [34.66, -102.70]				
	06/12/12 22:20 CST		0	Thunderstorm Wind (MG 53 kt)
	06/12/12 22:20 CST		0	Source: Mesonet
Measured by a Texas Tech University West Texas mesonet.				
CASTRO COUNTY --- 1.7 E DIMMITT MUNI ARPT [34.57, -102.29]				
	06/12/12 22:35 CST		0	Thunderstorm Wind (MG 56 kt)
	06/12/12 22:35 CST		0	Source: Mesonet
Measured by a Texas Tech University West Texas mesonet.				
SWISHER COUNTY --- 2.3 W KAFFIR [34.63, -101.86]				
	06/12/12 23:03 CST		0	Thunderstorm Wind (EG 52 kt)
	06/12/12 23:03 CST		0	Source: Trained Spotter
A storm spotter estimated wind gusts to 60 mph with torrential rain and near zero visibility.				
SWISHER COUNTY --- 2.2 NE TULIA [34.55, -101.74]				
	06/12/12 23:10 CST		0	Thunderstorm Wind (MG 54 kt)
	06/12/12 23:10 CST		0	Source: Mesonet
Measured by a Texas Tech University West Texas mesonet.				
SWISHER COUNTY --- 0.9 SW TULIA ARPT [34.54, -101.79]				
	06/12/12 23:15 CST		0	Hail (1.00 in)
	06/12/12 23:15 CST		0	Source: Law Enforcement
Law enforcement estimated hail up to quarter size with winds of 45-50 mph and zero visibility in torrential rain.				
LAMB COUNTY --- 4.2 N HART CAMP [34.09, -102.14]				
	06/12/12 23:25 CST		0	Thunderstorm Wind (MG 60 kt)
	06/12/12 23:25 CST		0	Source: Mesonet
Measured by a Texas Tech University West Texas mesonet.				
SWISHER COUNTY --- 0.0 WSW TULIA ARPT [34.55, -101.78], 2.1 E TULIA ARPT [34.55, -101.74], 1.3 ESE TULIA [34.52, -101.75], 1.2 WSW TULIA [34.52, -101.79]				
	06/12/12 23:33 CST		0	Flood (due to Heavy Rain)
	06/12/12 23:33 CST		0	Source: Law Enforcement
Very heavy rain flooded many side roads and intersections in Tulia. The Highway 87 underpass just southwest of town was temporarily closed after being inundated with up to two feet of water.				
HALE COUNTY --- 1.3 WSW PLAINVIEW [34.19, -101.72]				
	06/12/12 23:35 CST		0	Thunderstorm Wind (MG 58 kt)
	06/12/12 23:35 CST		0	Source: AWOS

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Measured by the Plainview AWOS. Also, a storm chaser nearby estimated a gust to 70 mph at the same time.

HOCKLEY COUNTY --- 2.1 SSE LEVELLAND MUNI ARPT [33.52, -102.36]	06/13/12 00:25 CST	0	0	Thunderstorm Wind (MG 50 kt)
	06/13/12 00:25 CST	0	0	Source: Mesonet

Measured by a Texas Tech University West Texas mesonet.

MOTLEY COUNTY --- 1.9 WNW ROARING SPGS BUZZ AR [33.94, -100.86]	06/13/12 00:30 CST	0	0	Thunderstorm Wind (MG 56 kt)
	06/13/12 00:30 CST	0	0	Source: Mesonet

Measured by a Texas Tech University West Texas mesonet.

COTTLE COUNTY --- 6.6 SSE NARCISSO [33.91, -100.43]	06/13/12 00:55 CST	0	0	Thunderstorm Wind (MG 50 kt)
	06/13/12 00:55 CST	0	0	Source: Mesonet

Measured by a Texas Tech University West Texas mesonet.

GARZA COUNTY --- 5.1 SSW GRAHAM CHAPEL [33.08, -101.50]	06/13/12 01:35 CST	0	0	Thunderstorm Wind (MG 50 kt)
	06/13/12 01:35 CST	0	0	Source: Mesonet

Measured by a Texas Tech University West Texas mesonet.

HALL COUNTY --- 1.9 ENE BRICE [34.71, -100.85], 3.8 SW LESLEY [34.63, -100.85], 3.1 SSE MEMPHIS [34.68, -100.51], 1.9 N MEMPHIS MUNI ARPT [34.76, -100.51]	06/13/12 01:40 CST	0	0	Flood (due to Heavy Rain)
	06/13/12 03:40 CST	0	0	Source: Law Enforcement

Repeated heavy rains resulted in areas of flooding on Highway 287 in Memphis. Farther west, mud flows were observed spreading over Highway 256 just west of Lesley and also near Lakeview in northern Hall County. No evidence of damage to any roads was reported.

Thunderstorms developed early this evening near Hobbs, NM near a residual outflow boundary embedded within a very unstable and strongly sheared environment. A few of these storms became supercells and quickly split into left and right movers. One of these left-moving supercells tracked north-northeast from southwest Yoakum County into southeast Lamb County accompanied by hail as large as baseballs at times.

By early this night, a large and slow-moving squall line erupted in the southwest Texas Panhandle and proceeded to move south-southeast into the northern South Plains before weakening shortly before dawn on the 13th. Scattered instances of downburst winds accompanied this line over the northern South Plains in addition to very heavy rains that resulted in numerous streets being flooded in Tulia and also in Memphis. Scattered heavy rains did help alleviate drought conditions particularly in portions of the extreme southwest Panhandle where heavy spring rains had earlier proved elusive.

BAILEY COUNTY --- 0.7 N MULESHOE [34.23, -102.73]	06/14/12 15:17 CST	0	0	Hail (0.88 in)
	06/14/12 15:17 CST	0	0	Source: COOP Observer

A NWS COOP observer estimated hail up to nickel size. No damage was observed.

HALE COUNTY --- 0.9 NW HALE CENTER [34.08, -101.84]	06/14/12 17:45 CST	0	0	Thunderstorm Wind (EG 56 kt)
	06/14/12 17:45 CST	0	0	Source: Trained Spotter

A trained spotter estimated wind gusts up to 65 mph and extensive blowing dust.

HALE COUNTY --- 2.9 WNW PLAINVIEW [34.21, -101.75]	06/14/12 18:00 CST	0	0	Thunderstorm Wind (EG 56 kt)
	06/14/12 18:00 CST	0	0	Source: Public

The public estimated a wind gust to 65 mph.

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(TX-Z035) LUBBOCK				
	06/14/12 18:00 CST		0	Dust Storm
	06/14/12 19:00 CST		0	
HALE COUNTY --- 0.7 N (PVW)HALE CO ARPT [34.18, -101.72]				
	06/14/12 18:05 CST		0	Thunderstorm Wind (MG 58 kt)
	06/14/12 18:05 CST		0	Source: Mesonet
Measured by a Texas Tech University West Texas Mesonet station.				
HALE COUNTY --- 1.4 N ABERNATHY MUNI ARPT [33.87, -101.77]				
	06/14/12 18:15 CST		0	Thunderstorm Wind (MG 55 kt)
	06/14/12 18:15 CST		0	Source: Mesonet
Measured by a Texas Tech University West Texas Mesonet station.				
SWISHER COUNTY --- 3.0 W KRESS [34.37, -101.80]				
	06/14/12 18:15 CST		40K	Thunderstorm Wind (EG 70 kt)
	06/14/12 18:15 CST		0	Source: Public
The public reported four center pivots overturned in south-central Swisher County.				
SWISHER COUNTY --- 14.9 W KRESS [34.38, -102.01], 15.1 W KRESS [34.35, -102.01], 10.2 W KRESS [34.35, -101.93], 9.9 W KRESS [34.38, -101.92]				
	06/14/12 18:20 CST		0	Flood (due to Heavy Rain)
	06/14/12 19:20 CST		0.20M	Source: Public
The public observed widespread flooding in southwest Swisher County. An estimated 700 acres of crops, mostly young grain crops, were heavily damaged or completely washed out.				
FLOYD COUNTY --- 2.1 N FLOYDADA MUNI ARPT [34.01, -101.32]				
	06/14/12 18:55 CST		0	Thunderstorm Wind (MG 51 kt)
	06/14/12 18:55 CST		0	Source: Mesonet
Measured by a Texas Tech University West Texas Mesonet station.				
HALL COUNTY --- 3.2 WSW TURKEY [34.38, -100.93]				
	06/14/12 19:05 CST		0	Thunderstorm Wind (MG 51 kt)
	06/14/12 19:05 CST		0	Source: Mesonet
Measured by a Texas Tech University West Texas Mesonet station.				
LUBBOCK COUNTY --- 6.3 E IDALOU [33.67, -101.57]				
	06/14/12 19:25 CST		2K	Thunderstorm Wind (EG 56 kt)
	06/14/12 19:25 CST		0	Source: NWS Employee
An off-duty NWS employee observed one power pole blown down along the north side of Highway 82.				
LUBBOCK COUNTY --- 0.9 SW REESE VLG [33.59, -102.03]				
	06/14/12 19:40 CST		0	Thunderstorm Wind (MG 54 kt)
	06/14/12 19:40 CST		0	Source: Mesonet
Measured by a Texas Tech University West Texas Mesonet station.				
MOTLEY COUNTY --- 1.9 WNW ROARING SPGS BUZZ AR [33.94, -100.86]				
	06/14/12 19:45 CST		0	Thunderstorm Wind (MG 52 kt)
	06/14/12 19:45 CST		0	Source: Mesonet
Measured by a Texas Tech University West Texas Mesonet station.				
COTTLE COUNTY --- 4.8 NW CEE VEE [34.27, -100.51]				

Storm Data and Unusual Weather Phenomena - June 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/14/12 20:15 CST		1K	Thunderstorm Wind (EG 61 kt)
	06/14/12 20:15 CST		0	Source: COOP Observer

A NWS COOP observer near Northfield reported a roof blown off a shop building about six miles east of Northfield.

LUBBOCK COUNTY --- 6.0 ESE (LBB)LUBBOCK INTL AR [33.64, -101.72]				
	06/14/12 20:15 CST		0.20M	Thunderstorm Wind (EG 70 kt)
	06/14/12 20:15 CST		0	Source: NWS Storm Survey

Broadcast media relayed a report of significant wind damage from a property owner located near the intersection of County Roads 2930 and 6500 in east-central Lubbock County. An NWS storm survey discovered a collapsed twin-door garage and one porch that was completely destroyed. Both structures were add-ons to the house and were found to be of rather poor construction quality. This combined with the lack of similar damage in the vicinity suggests that straight-line winds were likely no more than 80 mph.

LUBBOCK COUNTY --- 8.0 SW LUBBOCK [33.50, -101.95], 6.0 S LUBBOCK [33.49, -101.85]				
	06/14/12 20:15 CST		0	Hail (1.75 in)
	06/14/12 20:20 CST		0	Source: Broadcast Media

A particularly intense, but localized severe storm produced hail up to the size of golf balls over a span of about six miles from near 98th Street and Frankford Avenue east to the Vintage Township and to near Highway 87 and 114th Street. The largest hailstones were observed to be very sporadic and this resulted in no known instances of damage.

MOTLEY COUNTY --- 12.0 S NORTHFIELD [34.11, -100.60]				
	06/14/12 20:20 CST		0	Hail (1.25 in)
	06/14/12 20:20 CST		0	Source: COOP Observer

Hail up to 1.25 inches was observed 12S Northfield. No damage was reported.

DICKENS COUNTY --- 1.1 W SPUR [33.48, -100.87]				
	06/14/12 20:25 CST		0	Heavy Rain
	06/14/12 22:55 CST		0	Source: Mesonet

Measured by a Texas Tech University West Texas mesonet station.

COTTLE COUNTY --- 6.6 SSE NARCISSO [33.91, -100.43]				
	06/14/12 20:30 CST		0	Thunderstorm Wind (MG 50 kt)
	06/14/12 20:30 CST		0	Source: Mesonet

Measured by a Texas Tech University West Texas mesonet station.

LUBBOCK COUNTY --- 3.5 ENE WOLFFORTH [33.51, -101.96], 3.4 E WOLFFORTH [33.50, -101.96], 3.8 E WOLFFORTH [33.50, -101.95], 3.9 E WOLFFORTH [33.51, -101.95]				
	06/14/12 21:45 CST		0	Flood (due to Heavy Rain)
	06/14/12 23:45 CST		0	Source: Broadcast Media

Water engulfed the outer lanes of Milwaukee Avenue along and south of 82nd Street.

GARZA COUNTY --- 1.5 NNE POST [33.20, -101.37]				
	06/14/12 21:50 CST		0	Thunderstorm Wind (MG 53 kt)
	06/14/12 21:50 CST		0	Source: Mesonet

Measured by a Texas Tech University West Texas mesonet station.

HOCKLEY COUNTY --- 3.0 SSE LEVELLAND MUNI ARPT [33.51, -102.35], 2.1 NE CLAUENE [33.49, -102.35], 3.4 E ARNETT [33.49, -102.24], 3.8 ENE ARNETT [33.50, -102.24]				
	06/14/12 22:00 CST		0	Flood (due to Heavy Rain)
	06/14/12 22:00 CST		0	Source: Trained Spotter

A meteorologist with Texas Tech University reported standing water over several miles of FM 1585 east of Highway 385.

CHILDRESS COUNTY --- (CDS)CHILDRESS ARPT [34.43, -100.30]				
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Storm Data and Unusual Weather Phenomena - June 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/15/12 00:50 CST		0	Thunderstorm Wind (MG 54 kt)
	06/15/12 00:50 CST		0	Source: ASOS

Measured by the Childress ASOS.

CHILDRESS COUNTY --- 2.0 NNE CHILDRESS [34.45, -100.19]

	06/15/12 00:50 CST		0	Thunderstorm Wind (MG 63 kt)
	06/15/12 01:20 CST		0	Source: Mesonet

Measured by a Texas Tech University West Texas mesonet station. Winds gusted to 59 mph at 0050 CST, 66 mph at 0105 CST, 66 mph at 0110 CST, 73 mph at 0115 CST, and 67 mph at 0120 CST.

A small cluster of strong and slow-moving thunderstorms developed late this afternoon in and around the Muleshoe area and dropped hail up to penny size. By early evening, outflow from these collapsing storms gave rise to a particularly tall and intense storm in northwest Hale County. As this storm collapsed, an outrush of damaging winds spread south and east across much of Hale, southern Floyd and northeast Lubbock counties stirring up loose dirt from area fields. The gust front soon developed into a haboob which created about 10 minutes of dust storm conditions at Lubbock International Airport.

Strong and severe thunderstorms soon consolidated into a large squall line along the length of the gust front. Storm motions along the southwest edge of this line slowed to a crawl over much of the southern South Plains where torrential rains deluged many locations in between Highways 380 and 114 from Levelland and Brownfield east to Dickens and Clairemont. Several locations within this area measured between 1 and 2 inches of rain, with officially 2.80 inches recorded at the Texas Tech West Texas Mesonet station located 1W Spur. Generally minor flooding of roads was common in southern Hockley, northeast Terry, southern Lubbock, and northern Lynn Counties; however Farm-to-Market Road 1585 was observed to be covered in standing water for several miles east of Highway 385 in southeast Hockley County.

As this line of storms began decaying late this night into the pre-dawn hours of the 15th, severe winds developed along the western edge of the precipitation producing multiple gusts over 60 mph in and around Childress.

Storm Data and Unusual Weather Phenomena - June 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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One of four center pivot irrigation systems in south-central Swisher County that was overturned and damaged by intense straight-line winds. Photo courtesy of Kim Hill.

CASTRO COUNTY --- 3.5 N HART [34.43, -102.11], 3.0 SSW HART [34.34, -102.15]

06/15/12 20:00 CST	3K	Thunderstorm Wind (EG 61 kt)
06/15/12 20:00 CST	0	Source: COOP Observer

An NWS COOP observer relayed a damage report from the Vanderham Dairy Farm located 2.5 miles southwest of Hart. A 30-foot section of a large livestock shade was blown away by winds estimated around 70 mph. The winds also bent eight steel poles previously attached to the roof. Also, two head of cattle had to be put down after sustaining serious injuries from airborne debris. Approximately at this same time, a wind gust to 62 mph was measured by a Texas Tech University West Texas mesonet site located two miles north of Hart.

LAMB COUNTY --- 0.6 W OLTON [34.18, -102.14]

06/15/12 20:10 CST	0	Thunderstorm Wind (MG 50 kt)
06/15/12 20:13 CST	0	Source: Broadcast Media

Measured by a KVII-TV schoolnet site in Olton. Also, a gust to 61 mph was recorded at 813 pm CST.

(TX-Z035) LUBBOCK

06/15/12 20:34 CST	0	Dust Storm
06/15/12 20:39 CST	0	

LUBBOCK COUNTY --- 1.9 ESE WOLFFORTH [33.49, -101.99]

Storm Data and Unusual Weather Phenomena - June 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/15/12 20:47 CST		0	Thunderstorm Wind (EG 56 kt)
	06/15/12 20:47 CST		0	Source: NWS Employee

An off-duty NWS employee estimated wind gusts up to 65 mph with the gust front of a squall line.

LUBBOCK COUNTY --- 1.7 W LUBBOCK [33.58, -101.88]

	06/15/12 21:03 CST		0	Hail (1.25 in)
	06/15/12 21:03 CST		0	Source: NWS Employee

An off-duty NWS employee estimated a few hailstones up to half-dollar size at 82nd Street and Frankford. No damage was observed.

LUBBOCK COUNTY --- 2.7 NE SLATON [33.46, -101.62]

	06/15/12 21:25 CST		0	Thunderstorm Wind (MG 56 kt)
	06/15/12 21:25 CST		0	Source: Mesonet

Measured by a Texas Tech West Texas Mesonet station.

LUBBOCK COUNTY --- 3.3 SSW WOLFFORTH [33.45, -102.04], 1.4 ENE REESE VLG [33.61, -102.00], 2.5 N MIDWAY [33.57, -101.59], 2.7 WSW UNION [33.40, -101.81]

	06/15/12 21:25 CST		0	Flood (due to Heavy Rain)
	06/15/12 23:30 CST		0	Source: Broadcast Media

Soils in portions of south Lubbock were already moisture-laden from heavy rains the evening prior when torrential rainfall rates up to 3 inches per hour developed this evening. The result was widespread street flooding throughout much of the city of Lubbock and adjacent communities to its south. Many streets were reported to have several inches of either standing or flowing water with one foot of water estimated along stretches of Milwaukee Avenue between 82nd Street and 76th Street. The NWS office near South Loop 289 and University Avenue measured 1.38 inches of rain.

FLOYD COUNTY --- 2.1 N FLOYDADA MUNI ARPT [34.01, -101.32]

	06/15/12 21:50 CST		0	Thunderstorm Wind (MG 51 kt)
	06/15/12 21:50 CST		0	Source: Mesonet

Measured by a Texas Tech University West Texas Mesonet station.

CROSBY COUNTY --- 6.5 SSE CROSBYTON MUNI ARPT [33.54, -101.17]

	06/15/12 22:05 CST		0	Thunderstorm Wind (MG 58 kt)
	06/15/12 22:05 CST		0	Source: Mesonet

Measured by a Texas Tech University West Texas Mesonet station.

CASTRO COUNTY --- 3.5 N HART [34.43, -102.11]

	06/16/12 00:05 CST		0	Thunderstorm Wind (MG 62 kt)
	06/16/12 00:05 CST		0	Source: Mesonet

Severe wake low winds developed along the west edge of a decaying mesoscale convective system. These winds were measured by a Texas Tech West Texas Mesonet station. Additional severe gradient wind gusts included: 58 mph at 1135 pm and 1150 pm, and 62 mph at 1155 pm.

HALE COUNTY --- 0.9 NE ABERNATHY MUNI ARPT [33.86, -101.76]

	06/16/12 01:20 CST		0	Thunderstorm Wind (MG 50 kt)
	06/16/12 01:20 CST		0	Source: Mesonet

Measured by a Texas Tech University West Texas Mesonet station.

Late this afternoon, a small cluster of slow-moving storms developed in far eastern New Mexico over Roosevelt and northern Lea Counties. By early evening, these storms solidified into a squall line and accelerated east across the western South Plains of Texas where strong instability resided. Although several wind gusts just shy of 58 mph were measured by various Texas Tech University West Texas Mesonet sites across the western South Plains, a few winds gusts as high as 65 mph did eventually occur later in the evening. These winds created a large dustfoot along the length of the gust front that reduced visibilities in most areas to a few miles, with isolated instances of near zero visibilities downwind of cotton fields near Wolfforth.

As the squall line entered southwest Lubbock County, an east-west oriented line of storms intersected the line and resulted in one intense storm that produced localized large hail. Of greater significance was the torrential rainfall rates up to 3.5 inches per hour over much of the city of Lubbock. Widespread rainfall totals in this area of over one inch in a short period of time resulted in widespread street flooding.

Storm Data and Unusual Weather Phenomena - June 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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By late this night, the 140 mile-long squall line began dissipating near the Caprock Escarpment. Similar to the night before, a strong pressure gradient developed in the wake of the line and resulted in some instances of high winds and damaging gusts over the northern South Plains for periods nearly one hour in duration.



A portion of a large livestock shade about 2.5 miles southwest of Hart was blown away by winds estimated around 70 mph. Photo courtesy of NWS COOP Observer Neoma Williams.

LYNN COUNTY --- 3.2 SW PETTY [33.25, -102.02], 8.4 N NEW MOORE [33.14, -102.02], 5.7 WSW TAHOKA T BAR ARPT [33.15, -101.91], 3.4 S NEW HOME ARPT [33.25, -101.91]

06/16/12 16:30 CST	0	Flood (due to Heavy Rain)
06/16/12 17:30 CST	0.20M	Source: Broadcast Media

Broadcast media relayed a report of a farmer near West Point isolated on his farm by floodwaters of unknown depth. Young cotton crops were heavily damaged throughout the area with a few hundred acres likely washed out.

Strong instability and minimal vertical wind shear led to the development of scattered, slow-moving clusters of showers and thunderstorms over portions of the South Plains and Rolling Plains early this afternoon through the evening. Strong thunderstorms developed repeatedly over northwest Lynn County from 1500 CST until 1600 CST and produced an estimated two inches of rain in some locales. These rains led to localized flooding of many fields and temporarily stranded one farmer until waters receded into nearby playa lakes.

LUBBOCK COUNTY --- SHALLOWATER [33.68, -101.98]

06/21/12 18:38 CST	0	Hail (1.00 in)
06/21/12 18:48 CST	0	Source: NWS Employee

An off duty NWS employee reported quarter size hail in Shallowater persisting for ten minutes. No damage was reported.

During the afternoon of the 21st, several isolated storms developed across the South Plains and Rolling Plains along a stalled out frontal boundary. One of these storms became severe as it developed over northwest Lubbock County producing quarter size hail.