

Storm Data and Unusual Weather Phenomena - June 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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NEW MEXICO, Southeast

EDDY COUNTY --- 1.5 SSW CARLSBAD [32.40, -104.24]				
	06/07/08 16:31 MST		0	Hail (0.75 in)
	06/07/08 16:41 MST		0	Source: Law Enforcement

LEA COUNTY --- 0.7 N MC DONALD [33.14, -103.32]				
	06/07/08 18:03 MST		15K	Thunderstorm Wind (EG 61 kt)
	06/07/08 18:10 MST		0	Source: Trained Spotter

A 24 foot long gooseneck cattle trailer and center pivot irrigation system were blown over by strong thunderstorm winds. Additionally, five powerline poles were downed along New Mexico State Highway 206.

LEA COUNTY --- 2.0 SW TATUM [33.23, -103.34]				
	06/07/08 18:04 MST		0	Thunderstorm Wind (MG 56 kt)
	06/07/08 18:10 MST		0	Source: COOP Observer

A cooperative observation station measured a thunderstorm wind gust of 65 mph. A Texas Tech Mesonet station also measured a severe thunderstorm gust of 58 mph. No damage was reported.

Persistent south to southeast winds continued to bring deep layer moisture to the area. Strong upslope surface flow in the higher terrain of west Texas and southeast New Mexico provided the needed atmospheric lift for thunderstorm development, even though instability and wind shear were only mild at best.

LEA COUNTY --- 1.0 NW HOBBS [32.71, -103.14]				
	06/08/08 17:33 MST		0	Hail (1.00 in)
	06/08/08 17:38 MST		0	Source: Trained Spotter

LEA COUNTY --- 6.0 NE EUNICE [32.49, -103.08]				
	06/08/08 17:48 MST		0	Hail (1.00 in)
	06/08/08 17:58 MST		0	Source: Law Enforcement

Well established southerly flow kept moisture at higher levels throughout the region. A dryline located from Roswell through the Guadalupe Mountains slowly moved eastward during the afternoon and provided a focusing mechanism for storm development. The strength of thunderstorms was increased by the presence of a moderately unstable and higher wind shear environment.

(NM-Z029) NORTHERN LEA COUNTY				
	06/19/08 20:00 MST		0	High Wind (MAX 54 kt)
	06/19/08 23:00 MST		0	

Dissipating thunderstorms over the Texas Panhandle produced severe outflow winds that moved into portions of southeastern New Mexico.

TEXAS, West

(TX-Z258) GUADALUPE MOUNTAINS OF CULBERSON COUNTY				
	06/04/08 10:00 MST		0	High Wind (MAX 66 kt)
	06/05/08 17:00 MST		0	

An unseasonably strong upper level system located over the Four Corners region of the southwest United States and an associated surface low pressure trough resulted in a long-lived high wind event for the Guadalupe Mountains.

MITCHELL COUNTY --- 3.0 N LORAIN [32.46, -100.72]				
	06/05/08 20:00 CST		1K	Thunderstorm Wind (EG 52 kt)
	06/05/08 20:05 CST		0	Source: Trained Spotter

Strong thunderstorm winds ripped a metal roof off of a barn.

MITCHELL COUNTY --- 2.2 SW COLORADO CITY ARPT [32.40, -100.85], LORAIN [32.42, -100.72]				
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	06/05/08 20:25 CST		50K	Thunderstorm Wind (EG 61 kt)
	06/05/08 20:35 CST		0	Source: Law Enforcement

Several power poles were downed by strong thunderstorm winds in Loraine and Colorado City. In addition, several pivot irrigation systems were overturned.

An unseasonably strong upper level system, located over the Four Corners area of the southwest United States, began impacting the region. A Pacific cold front pushing eastward across the county warning area merged with a slower moving dryline, thus providing ample atmospheric lift. This, in combination with increased low level moisture ahead of these boundaries, provided an environment conducive for severe thunderstorms to develop.

CULBERSON COUNTY --- 0.9 NW PINE SPGS [31.89, -104.81]

06/07/08 18:35 CST	0	Hail (0.88 in)
06/07/08 18:45 CST	0	Source: Trained Spotter

Nickel sized hail was reported at the Ranger Station in Pine Springs.

JEFF DAVIS COUNTY --- 17.0 NNW FT DAVIS [30.81, -103.99]

06/07/08 22:10 CST	0	Hail (0.88 in)
06/07/08 22:20 CST	0	Source: Trained Spotter

Persistent south to southeast winds continued to bring deep layer moisture to the area. Strong upslope surface flow in the higher terrain of west Texas and southeast New Mexico provided the needed atmospheric lift for thunderstorm development, even though instability and wind shear were only mild at best.

JEFF DAVIS COUNTY --- 5.0 NW FT DAVIS [30.63, -103.94]

06/08/08 15:10 CST	0	Hail (0.75 in)
06/08/08 15:15 CST	0	Source: Trained Spotter

GAINES COUNTY --- 0.6 W HIGGINBOTHAM [32.90, -102.99]

06/08/08 18:48 CST	0	Hail (1.50 in)
06/08/08 18:58 CST	0	Source: Trained Spotter

GAINES COUNTY --- 8.0 W SEMINOLE ARPT [32.72, -102.87]

06/08/08 20:26 CST	0	Hail (1.00 in)
06/08/08 20:36 CST	0	Source: Law Enforcement

BREWSTER COUNTY --- TERLINGUA [29.33, -103.60]

06/08/08 20:30 CST	0	Hail (0.75 in)
06/08/08 20:35 CST	0	Source: Trained Spotter

Well established southerly flow kept moisture at higher levels throughout the region. A dryline located from Roswell through the Guadalupe Mountains slowly moved eastward during the afternoon and provided a focusing mechanism for storm development. The strength of thunderstorms was increased by the presence of a moderately unstable and higher wind shear environment.

REAGAN COUNTY --- 15.0 NW BIG LAKE [31.35, -101.65]

06/09/08 19:35 CST	0	Hail (0.88 in)
06/09/08 19:40 CST	0	Source: Public

A weak cold front slowly edged southward through west Texas during the afternoon hours. Isolated thunderstorms developed along this boundary, with only a few becoming severe.

MITCHELL COUNTY --- 0.9 NE WESTBROOK [32.36, -101.01]

06/13/08 17:37 CST	0	Hail (0.88 in)
06/13/08 17:45 CST	0	Source: Law Enforcement

MITCHELL COUNTY --- 10.0 N WESTBROOK [32.49, -101.02]

06/13/08 17:40 CST	5K	Hail (2.75 in)
06/13/08 17:40 CST	0	Source: Public

Baseball sized hail was reported north of Westbrook.

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SCURRY COUNTY --- 12.0 SW SNYDER [32.60, -101.05]				
	06/13/08 18:13 CST		0	Hail (0.88 in)
	06/13/08 18:20 CST		0	Source: Fire Department/Rescue
Nickel sized hail was reported at the intersection of Farm to Market Roads 2085 and 1606.				
GLASSCOCK COUNTY --- 1.2 E GARDEN CITY [31.87, -101.48]				
	06/13/08 18:40 CST		0	Thunderstorm Wind (EG 61 kt)
	06/13/08 18:45 CST		0	Source: Law Enforcement
Strong thunderstorm winds down several trees in Garden City.				
SCURRY COUNTY --- 5.0 W SNYDER [32.72, -100.99], SNYDER [32.72, -100.90]				
	06/13/08 18:42 CST		0	Hail (1.00 in)
	06/13/08 18:52 CST		0	Source: Fire Department/Rescue
Nickel to quarter sized hail began to fall on the western side of town and moved into the city.				
SCURRY COUNTY --- 1.5 SSW FRANKLIN CENTER [32.71, -101.04]				
	06/13/08 18:45 CST		2K	Thunderstorm Wind (EG 61 kt)
	06/13/08 18:50 CST		0	Source: Fire Department/Rescue
A telephone pole west of Snyder was downed by strong thunderstorm winds.				
SCURRY COUNTY --- 0.7 N WINSTON [32.71, -100.92]				
	06/13/08 18:46 CST		0	Hail (0.88 in)
	06/13/08 18:51 CST		0	Source: Fire Department/Rescue
GLASSCOCK COUNTY --- 3.0 N GARDEN CITY [31.91, -101.50], 3.2 NE GARDEN CITY [31.90, -101.46], 29.0 NNE GARDEN CITY [32.26, -101.31], 23.0 N GARDEN CITY [32.20, -101.50]				
	06/13/08 19:10 CST		0	Flash Flood (due to Heavy Rain)
	06/13/08 21:10 CST		0	Source: Law Enforcement
Local law enforcement officials reported at least six inches of flowing water north of Garden City along FM 33, U.S. 87 just south of Big Spring and FM 821 between Forsan and Coahoma.				
MARTIN COUNTY --- 14.2 SW TARZAN [32.13, -102.11]				
	06/13/08 20:34 CST		0	Hail (1.00 in)
	06/13/08 20:40 CST		0	Source: Trained Spotter
A trained spotter reported quarter sized hail ten miles north of Midland along Texas State Highway 349.				
An upper level high pressure system centered across northern Mexico and west Texas began shifting westward. Meanwhile, westerly mid-level flow on the northern periphery of this system steered a weak upper level disturbance towards the region. This, in combination with the presence of instability and abundant moisture, set the stage for thunderstorm development across Permian Basin and Western Low Rolling Plains.				
ANDREWS COUNTY --- 1.4 ESE ANDREWS CO ARPT [32.32, -102.51]				
	06/16/08 18:40 CST		0	Thunderstorm Wind (MG 59 kt)
	06/16/08 18:45 CST		0	Source: Mesonet
The Texas Tech Mesonet station east of Andrews reported a thunderstorm wind gust of 68 mph. No damage was reported.				
MIDLAND COUNTY --- 4.0 WNW MIDLAND [32.02, -102.14]				
	06/16/08 22:25 CST		70K	Thunderstorm Wind (EG 54 kt)
	06/16/08 22:30 CST		0	Source: AWOS
On Tuesday morning, the National Weather Service in Midland conducted a damage survey of areas within the city of Midland affected by a heat burst. The damage survey focused on locations at and around the intersection of Loop 250 and Midland Drive, in northwest portions of the city of Midland. Between Briarwood and Navarro Avenues along Midland Drive, 13 power poles were damaged to varying degrees. A 62 mph wind was reported at Midland Airpark on the 11:25 pm CDT observation. However, damage to wooden poles along Midland Drive was indicative of winds in the 80 to 100 mph range.				

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Scattered thunderstorms developed across portions southeast New Mexico and the Texas Permian Basin. These storms developed in areas conducive to dry microburst development. Most storms that developed produced little rain, with generally strong winds. As thunderstorms began weakening, severe outflow winds were reported in portions of Andrews and Midland Counties.

GAINES COUNTY --- 8.0 N SEMINOLE [32.84, -102.65]

	06/17/08 22:30 CST		10K	Hail (4.25 in)
	06/17/08 22:40 CST		0	Source: Emergency Manager

Softball sized hail fell at the intersection of County Roads 212 and 214.

SCURRY COUNTY --- SNYDER [32.72, -100.90]

	06/17/08 22:30 CST		0.50M	Thunderstorm Wind (MG 71 kt)
	06/17/08 22:45 CST		0	Source: Mesonet

Very strong thunderstorm winds impacted the city of Snyder. The West Texas Mesonet site recorded a peak gust of 82 mph. Widespread damage occurred across the city. At least 50 power poles were downed by these high winds. A residential and commercial carport were blown over. In addition, several commercial and residential roofs received substantial damage. In one instance, the roof from a downtown business was tossed into an adjacent bank parking lot, causing damage to the front of a bank. In another case, portions of an irregular shaped roof were blown onto cars in a nearby lot.

SCURRY COUNTY --- 0.7 N WINSTON [32.71, -100.92]

	06/17/08 22:36 CST		0	Hail (0.75 in)
	06/17/08 22:42 CST		0	Source: Fire Department/Rescue

GAINES COUNTY --- SEMINOLE [32.72, -102.65]

	06/17/08 22:37 CST		30K	Hail (2.75 in)
	06/17/08 22:45 CST		0	Source: Public

Baseball sized hail fell in the city of Seminole.

GAINES COUNTY --- 1.0 SW SEMINOLE [32.71, -102.66]

	06/17/08 22:39 CST		20K	Hail (1.75 in)
	06/17/08 22:50 CST		0	Source: Emergency Manager

The Gaines County Emergency Manager received multiple reports of golfball sized hail from Seminole residents.

BORDEN COUNTY --- 1.4 WSW LAKE J B THOMAS [32.59, -101.22]

	06/17/08 22:40 CST		0	Thunderstorm Wind (EG 52 kt)
	06/17/08 22:45 CST		0	Source: Trained Spotter

No damage was reported.

GAINES COUNTY --- 3.0 SW SEMINOLE [32.69, -102.69]

	06/17/08 22:45 CST		10K	Thunderstorm Wind (EG 61 kt)
	06/17/08 22:50 CST		0	Source: Emergency Manager

Multiple powerline poles were downed by strong thunderstorm winds.

MITCHELL COUNTY --- 0.6 NE IATAN [32.34, -101.12]

	06/17/08 22:51 CST		10K	Thunderstorm Wind (EG 61 kt)
	06/17/08 23:00 CST		0	Source: Broadcast Media

Several 18 wheelers traveling along Interstate 20 near mile marker 202 were blown on their side.

GAINES COUNTY --- 9.6 S SEMINOLE [32.58, -102.64]

	06/17/08 23:00 CST		10K	Hail (2.75 in)
	06/17/08 23:15 CST		0	Source: Public

Baseball sized hail fell along Farm to Market Road 2885 near Texas State Highway 385.

HOWARD COUNTY --- (BGS)BIG SPRING ARPT [32.30, -101.43]

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	06/17/08 23:05 CST		0	Thunderstorm Wind (MG 56 kt)
	06/17/08 23:10 CST		0	Source: ASOS

The Big Spring Automated Surface Observing System measured a thunderstorm wind gust of 56 knots. The Big Spring police department also estimated winds of near 60 mph. No damage reported.

ANDREWS COUNTY --- ANDREWS [32.32, -102.55]

	06/17/08 23:20 CST		0.20M	Thunderstorm Wind (MG 55 kt)
	06/17/08 23:35 CST		0	Source: Mesonet

Widespread wind damage occurred throughout Andrews. The West Texas Mesonet site measured a peak gust of 55 knots. Numerous powerline poles were downed by these winds. Two hanger doors were blown inward at the Andrews Airport. Two commercial roofs were torn off and a convenience store awning collapsed.

ANDREWS COUNTY --- 2.0 WSW ANDREWS [32.31, -102.58]

	06/17/08 23:30 CST		5K	Hail (1.25 in)
	06/17/08 23:40 CST		0	Source: Emergency Manager

Silver dollar sized hail damaged home windows near the intersection of County Road 2001 and Texas State Highway 176.

MARTIN COUNTY --- 0.9 NW LENORAH [32.31, -101.88]

	06/17/08 23:30 CST		0	Thunderstorm Wind (EG 52 kt)
	06/17/08 23:35 CST		0	Source: Post Office

Severe winds were estimated and no damage was reported.

ECTOR COUNTY --- ODESSA ECTOR CO ARPT [31.92, -102.38]

	06/17/08 23:49 CST		0	Thunderstorm Wind (MG 54 kt)
	06/17/08 23:55 CST		0	Source: ASOS

The Odessa Automated Surface Observing System measured a thunderstorm gust of 54 knots. No damage was reported.

GLASSCOCK COUNTY --- 1.2 E GARDEN CITY [31.87, -101.48]

	06/18/08 00:00 CST		15K	Thunderstorm Wind (EG 60 kt)
	06/18/08 00:05 CST		0	Source: Public

A fence was blown down and power was lost in Garden City.

ECTOR COUNTY --- 7.0 S ODESSA [31.75, -102.37]

	06/18/08 00:20 CST		0	Hail (0.75 in)
	06/18/08 00:30 CST		0	Source: Public

ECTOR COUNTY --- WEST ODESSA [31.83, -102.50]

	06/18/08 00:21 CST		5K	Hail (1.75 in)
	06/18/08 00:30 CST		0	Source: Law Enforcement

Quarter to golfball sized hail fell across western portions of Odessa and in West Odessa.

UPTON COUNTY --- 0.6 E RANKIN ARPT [31.23, -101.94]

	06/18/08 01:40 CST		0	Thunderstorm Wind (EG 52 kt)
	06/18/08 01:45 CST		0	Source: Trained Spotter

Several trees were uprooted and one tree was snapped at the base of the trunk.

A line of thunderstorms moving southward out of the South Plains produced damaging outflow winds and large hail across a large portion of the Texas Permian Basin during the late Tuesday evening and overnight early Wednesday morning.

SCURRY COUNTY --- 0.7 N WINSTON [32.71, -100.92]

	06/19/08 05:10 CST		0	Hail (1.00 in)
	06/19/08 05:20 CST		0	Source: Public

Nickel to quarter sized hail fell in Snyder.

Storm Data and Unusual Weather Phenomena - June 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
PECOS COUNTY --- 4.5 NNE FT STOCKTON ARPT FST [30.98, -102.89]				
	06/19/08 15:33 CST		0	Hail (0.88 in)
	06/19/08 15:40 CST		0	Source: Amateur Radio
Nickel sized hail fell north of Fort Stockton between Farm to Market Road 1053 and Texas State Highway 18.				
PECOS COUNTY --- 1.0 S FT STOCKTON [30.87, -102.87]				
	06/19/08 15:44 CST		20K	Hail (1.75 in)
	06/19/08 16:00 CST		0	Source: Public
Nickel to golfball sized hail fell in the city of Fort Stockton.				
DAWSON COUNTY --- 4.0 SW LAMESA [32.69, -102.00]				
	06/19/08 23:20 CST		10K	Thunderstorm Wind (EG 56 kt)
	06/19/08 23:25 CST		0	Source: Law Enforcement
Power poles southwest of Lamesa were snapped by strong thunderstorm winds.				
A mid-level disturbance tracked eastward across portions of west Texas. The combination of this feature and abundant moisture aided in the development of a mesoscale convective complex. Strong to severe thunderstorms produced hail and significant rains, as the system moved southeastward across the area.				
GAINES COUNTY --- 7.8 NNE SEMINOLE [32.83, -102.62]				
	06/24/08 19:31 CST		25K	Thunderstorm Wind (EG 56 kt)
	06/24/08 19:36 CST		0	Source: Emergency Manager
Powerlines were downed by strong thunderstorm winds on the north side of Seagraves and again south of the city along Texas State Highway 385. In addition, a storage shed was blown into a house south southwest of Seagrave.				
GAINES COUNTY --- 5.0 S SEAGRAVES [32.86, -102.55]				
	06/24/08 19:34 CST		0	Hail (1.00 in)
	06/24/08 19:45 CST		0	Source: Emergency Manager
Penny to quarter sized hail was reported south of Seagraves.				
Upper level high pressure anchored over portions of northern Mexico and New Mexico allowed for a series of upper level disturbances to move across west Texas. This resulted in thunderstorm development across the region, with minor amounts of severe weather.				
PECOS COUNTY --- 18.0 SSW FT STOCKTON [30.64, -102.99], 17.0 S FT STOCKTON [30.63, -102.87], 16.0 S FT STOCKTON [30.65, -102.87], 16.0 SSW FT STOCKTON [30.67, -102.97]				
	06/26/08 16:30 CST		0	Flash Flood (due to Heavy Rain)
	06/26/08 18:30 CST		0	Source: Law Enforcement
Local law enforcement reported one foot of water flowing across U.S. Highway 385 south of Fort Stockton.				
GAINES COUNTY --- 6.0 NW SEMINOLE ARPT [32.78, -102.80]				
	06/26/08 19:30 CST		10K	Thunderstorm Wind (EG 61 kt)
	06/26/08 19:35 CST		0	Source: Trained Spotter
Strong thunderstorm winds downed powerlines along County Road 219 northwest of Seminole.				
GAINES COUNTY --- 1.4 WNW SEAGRAVES [32.94, -102.57]				
	06/26/08 19:41 CST		10K	Thunderstorm Wind (EG 56 kt)
	06/26/08 19:45 CST		0	Source: Trained Spotter
Telephone poles were downed by severe thunderstorm winds at the intersection of U.S. Highway 385 and Texas State Highway 83 in Seagraves.				
GAINES COUNTY --- 3.0 W SEAGRAVES [32.93, -102.60], 4.0 WNW SEAGRAVES [32.95, -102.61], 2.3 NW SEAGRAVES [32.95, -102.58], 1.7 W SEAGRAVES [32.93, -102.58]				
	06/26/08 20:10 CST		0	Flash Flood (due to Heavy Rain)
	06/26/08 22:10 CST		0	Source: Trained Spotter

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Texas State Highway 83 just west of Seagraves was blocked off due to high water covering the roadway.

As an upper level ridge began to slowly weaken over portions of northern Mexico, the combination of daytime heating and abundant mid and upper level moisture, resulted in the development of strong to severe thunderstorms across the area. Weaker wind flow resulted in slower moving storms and flash flooding. In addition, severe winds were reported in some locations across the area.

PECOS COUNTY --- 0.9 NW BELDING [30.79, -103.03]

	06/28/08 14:39 CST	0	Hail (1.00 in)
	06/28/08 14:45 CST	0	Source: Law Enforcement

Quarter sized hail was reported at a Texas Detention Center in Belding.

ECTOR COUNTY --- 1.5 NNE WESTOVER [31.84, -102.44], 1.4 NNE WESTOVER [31.84, -102.44], 1.3 NNE WESTOVER [31.84, -102.44], 1.4 NNE WESTOVER [31.84, -102.44]

	06/28/08 17:05 CST	0	Flash Flood (due to Heavy Rain)
	06/28/08 20:00 CST	0	Source: Public

The public reported six inches of water flowing through the intersection of 16th st. and Farm to Market Road 1936.

CRANE COUNTY --- 1.0 S CRANE CO ARPT [31.41, -102.37], 1.1 SW CRANE [31.39, -102.36], 0.9 SE CRANE [31.39, -102.34], 0.7 NNE CRANE [31.41, -102.35]

	06/28/08 17:44 CST	0	Flash Flood (due to Heavy Rain)
	06/28/08 19:44 CST	0	Source: Law Enforcement

Crane Police Department reported one foot of water flowing across several low water crossings in Crane.

GAINES COUNTY --- SEAGRAVES [32.93, -102.55], 3.5 WNW SEAGRAVES [32.94, -102.61], 4.2 WNW SEAGRAVES [32.96, -102.61], 1.2 NW SEAGRAVES ARPT [32.96, -102.55]

	06/28/08 19:13 CST	0	Flash Flood (due to Heavy Rain)
	06/28/08 23:00 CST	0	Source: Emergency Manager

Several roadways in and around Seagraves were under water and deemed impassible by TXDOT.

TERRELL COUNTY --- 0.9 SE (P07)SANDERSON [30.14, -102.39], 0.8 SE (P07)SANDERSON [30.14, -102.39], 0.8 SE (P07)SANDERSON [30.14, -102.39], 0.9 SE (P07)SANDERSON [30.14, -102.39]

	06/28/08 20:00 CST	0	Flash Flood (due to Heavy Rain)
	06/28/08 22:00 CST	0	Source: Law Enforcement

The intersection of 18th and 5th streets in Sanderson was covered by water that was eighteen inches deep and therefore impassible.

Widespread showers and thunderstorms developed across much of west Texas, as an upper level low pressure system slowly moved across the region. While flash flooding was the primary threat, a few thunderstorms did reached severe thresholds.