Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
TEXAS, South Panhandle				
(TX-Z021) PARMER, (TX-Z022) CASTRO, (TX-Z022) (TX-Z028) LAMB, (TX-Z029) HALE, (TX-Z030) FLO (TX-Z035) LUBBOCK, (TX-Z036) CROSBY, (TX-Z0 GARZA, (TX-Z043) KENT, (TX-Z044) STONEWALI	YD, (TX-Z031) MOTLEY, (TX-Z 37) DICKENS, (TX-Z038) KING	2032) COTTLE, (1	X-Z033) COCHRA	N, (TX-Z034) HOCKLEY,
	06/01/13 00:00 CST		0	Drought
	06/30/13 23:59 CST		0.10B	
Drought conditions improved one category from northern Rolling Plains, and the far southeast Te Cottle, and Yoakum Counties. The remainder of t	xas Panhandle. Severe (D2) le	evels were conce	ntated primarily in	-

Multiple episodes of beneficial rainfall in June provided some relief from the extreme and exceptional drought in places; however, the majority of the South Plains and Rolling Plains struggled to reach or exceed their average monthly rainfall. In Lubbock, monthly rainfall ended up 1.37 inches below normal whereas Childress was just 0.62 inches shy of normal. The bulk of the rain fell during the first three weeks of June with high temperatures faring near or below seasonable levels. By the final week of June, a very hot and dry pattern emerged with widespread triple digit heat and low humidities. June is typically the wettest month in this region and is a pivotal time for cotton farmers as they weigh the option to replace struggling cotton with grain crops, or persist with their current spread at the risk of significant loss from persistent drought. Keetch-Byram Drought Indices were lowest in Hall and adjacent counties with values of 0 to 400. Much of the Rolling Plains ended June with KBDI values around 400, whereas locations on the Caprock ranged between 500 and 700.

Unfortunately, in some portions of the South Plains and northern Rolling Plains where heavy rains did fall (most notably on June 5th, 17th and 19th), moderate to severe damage to crops resulted from excessive runoff and soil erosion. A hailstorm with torrential rain on June 5th in Bailey and Lamb Counties proved particularly devastating as nearly 6000 acres of cotton were deemed a total loss. In southeast Lubbock County, a hailstorm with flooding rains on the 17th destroyed an estimated 28,000 acres of cotton. In the Rolling Plains, wheat harvests varied drastically by county with yields reported between 0 and 45 bushels per acre.

Economic losses due to drought through June since the drought began were estimated near \$2.8 billion.

YOAKUM COUNTY 2.4 NNW ALLRED [33.01, -102.94]				
06/03/13 00:35 CST	0	Thunderstorm Wind (MG 54 kt)		
06/03/13 00:40 CST	0	Source: Mesonet		

Measured by a Texas Tech University West Texas mesonet station located 7WNW of Denver City at 1240 CST. This mesonet also recorded a gust to 58 mph at 1235 CST.

(TX-Z021) PARMER, (TX-Z022) CASTRO, (TX-Z023) SWISHER, (TX-Z024) BRISCOE, (TX-Z035) LUBBOCK					
06/03/13 01:30 CST	0	High Wind (MAX 60 kt)			
06/03/13 05:10 CST	0				

During the pre-dawn hours, a slowly-decaying mesoscale convective system (MCS) moved eastward out of the western South Plains and far southwest Texas Panhandle. A lone severe storm developed within this MCS over western Yoakum County and produced a severe wind gust; however, the strongest winds actually developed along the back edge of this MCS in response to a strong wake low structure. This process resulted in several hours of sustained winds ranging between 35 and 50 mph, with multiple severe wind gusts including two peak gusts of 69 mph as measured at both Silverton and near Kress. Nearly five hours after the first severe wind gust, portions of the city of Lubbock experienced high winds and isolated wind damage from decaying showers. Much of this damage consisted of broken tree branches and limbs, however a NWS employee observed one 20-foot tree uprooted near Elgin Ave. Lubbock Power and Light reported multiple minor power outages concentrated in central Lubbock.

	06/05/13 19:15 CST	0	Thunderstorm Wind (MG 55 kt)	
	06/05/13 19:30 CST	0	Source: Mesonet	
A Texas Tech University West Te	xas mesonet site near Friona reported a 63 mph wind	l gust.		
,		l gust.		
A Texas Tech University West Te		l gust. 50K	Hail (2.75 in)	

Trained spotters, law enforcement, and the public reported a swath of hail ranging in sizes from golf balls to baseballs in the town of Friona. The large, wind-driven hail caused damage to several vehicles including a police cruiser in Friona.

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
PARMER COUNTY FARWELL [34.38, -103	3.03]			
	06/05/13 19:49 CST		0	Thunderstorm Wind (EG 61 kt)
	06/05/13 19:49 CST		0	Source: Public
The public estimated winds to 70 mph along v	with penny size hail as limbs were	e ripped from trees		
COCHRAN COUNTY 1.0 ENE MORTON [3	33.73, -102.75]			
	06/05/13 20:20 CST		0	Thunderstorm Wind (MG 63 kt)
	06/05/13 21:05 CST		0	Source: Mesonet
A Texas Tech University West Texas mesone	et site near Morton reported seve	ral severe wind gue	sts, peaking at 72 r	nph.
AMB COUNTY 3.0 W SPRINGLAKE [34.2	23, -102.35]			
	06/05/13 20:22 CST		0	Hail (2.00 in)
	06/05/13 20:22 CST		0	Source: Trained Spotter
A trained storm spotter reported hen egg size	hail near Springlake. No damag	e was reported.		
BAILEY COUNTY 2.0 SSW MULESHOE [3				
	06/05/13 20:45 CST		0	Thunderstorm Wind (MG 52 kt)
	06/05/13 20:45 CST		0	Source: Mesonet
A Texas Tech University West Texas mesone	et site near Muleshoe reported a	wind gust to 60 mp	h.	
YOAKUM COUNTY 3.0 N PLAINS [33.22,	-102.83]			
	06/05/13 20:50 CST		0	Thunderstorm Wind (MG 60 kt)
	06/05/13 21:30 CST		0	Source: Mesonet
A Texas Tech University West Texas mesone	et site near Plains measured a pe	ak wind gust to 69	mph.	
HOCKLEY COUNTY 4.0 S LEVELLAND [3	•			
	06/05/13 21:00 CST		0	Thunderstorm Wind (MG 66 kt)
	06/05/13 21:05 CST		0	Source: Mesonet
A Texas Tech University West Texas mesone	et site south of Levelland measure	ed wind gusts up to	o 76 mph.	
HOCKLEY COUNTY 6.0 SSW ANTON [33.	-			
	06/05/13 21:00 CST		0	Thunderstorm Wind (MG 65 kt)
	06/05/13 21:11 CST		0	Source: Mesonet
A Texas Tech University West Texas mesone	et site and the fire department in a	Anton recorded win	id gusts up to 70 m	ıph.
(TX-Z028) LAMB, (TX-Z033) COCHRAN, (TX-		BBOCK, (TX-Z039)		-
	06/05/13 21:05 CST		0	High Wind (MAX 65 kt)
	06/05/13 23:00 CST		0	
LUBBOCK COUNTY 0.9 SW REESE VLG				
	06/05/13 21:10 CST		0	Thunderstorm Wind (MG 70 kt)
	06/05/13 21:35 CST		0	Source: Mesonet
A Texas Tech University West Texas mesone	et site in Reese Center recorded	wind gusts up to 81	mph.	
HOCKLEY COUNTY 4.0 NE ROPESVILLE	• • •			
	00/05/40 04 45 OOT		5K	Thunderstorm Wind (EG 56 kt)
	06/05/13 21:15 CST		JI	Source: NWS Employee

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/05/13 21:15 CST		0	Thunderstorm Wind (MG 52 kt)
	06/05/13 21:15 CST		0	Source: Mesonet
Texas Tech University West Texas meson	net site near Denver City measured	d a wind gust to 60	mph.	
UBBOCK COUNTY 6.0 SSW WOLFFO			•	
	06/05/13 21:20 CST 06/05/13 21:40 CST		0 0	Thunderstorm Wind (MG 73 kt) Source: Mesonet
Texas Tech University West Texas meso		nd gusts up to 84 r		
AMB COUNTY 6.0 S OLTON [34.09, -10	02.13]			
	06/05/13 21:25 CST		0	Thunderstorm Wind (MG 50 kt)
	06/05/13 21:25 CST		0	Source: Mesonet
Texas Tech University West Texas meson	net site near Olton measured a win	nd gust of 58 mph.		
UBBOCK COUNTY 4.0 WSW (LBB)LU	BBOCK INTL AR [33.64, -101.88], 06/05/13 21:30 CST	3.5 S LUBBOCK [	<b>33.53, -101.86]</b> 0.40B	Thunderstorm Wind (MG 63 kt)
	06/05/13 21:41 CST		0.10M	Source: NWS Storm Survey
chicles, and structures. At the Motor Inns of ilding forcing residents to evacuate. Fortu				-
Lubbock.	r damage to walls, carpets, and pe		-	-
ubbock.	r damage to walls, carpets, and pe		-	-
ubbock.	er damage to walls, carpets, and pe		Nearly 30,000 cus	tomers lost power in the city of
oofs also received various degrees of wate Lubbock. HOCKLEY COUNTY 6.0 SSW ANTON [3 A Texas Tech University West Texas meson	ar damage to walls, carpets, and per <b>3.74, -102.21]</b> 06/05/13 21:40 CST 06/05/13 22:45 CST	ersonal belongings.	Nearly 30,000 cus 0 0	tomers lost power in the city of Thunderstorm Wind (MG 65 kt) Source: Mesonet
ubbock. HOCKLEY COUNTY 6.0 SSW ANTON [3	ar damage to walls, carpets, and per <b>3.74, -102.21]</b> 06/05/13 21:40 CST 06/05/13 22:45 CST net site near Anton measured seven <b>3, -101.69], 0.8 E SLATON [33.43,</b>	ersonal belongings.	Nearly 30,000 cus 0 0 sts, peaking at 75 f	tomers lost power in the city of Thunderstorm Wind (MG 65 kt) Source: Mesonet mph.
A Texas Tech University West Texas meson	ar damage to walls, carpets, and per <b>3.74, -102.21]</b> 06/05/13 21:40 CST 06/05/13 22:45 CST net site near Anton measured seve	ersonal belongings.	Nearly 30,000 cus 0 0	tomers lost power in the city of Thunderstorm Wind (MG 65 kt) Source: Mesonet
A Texas Tech University West Texas meson UBBOCK COUNTY 3.5 N POSEY [33.5 An official NWS storm damage survey confi Several trees and power lines and poles we Fexas mesonet site northeast of Slaton mea	ar damage to walls, carpets, and per <b>3.74, -102.21]</b> 06/05/13 21:40 CST 06/05/13 22:45 CST net site near Anton measured seven <b>3, -101.69], 0.8 E SLATON [33.43,</b> 06/05/13 21:50 CST 06/05/13 22:00 CST rrmed significant wind driven damage are downed, along with rail cars being asured an 82 mph gust as the line of	ersonal belongings. eral severe wind gu -101.64] ge from near Buffa ng piled on top of o	Nearly 30,000 cus 0 0 sts, peaking at 75 f 1M 10K lo Springs Lake an one another in Slate	tomers lost power in the city of Thunderstorm Wind (MG 65 kt) Source: Mesonet mph. Thunderstorm Wind (MG 71 kt) Source: NWS Storm Survey d Ransom Canyon down into Slaton. on. The Texas Tech University West
A Texas Tech University West Texas meson UBBOCK COUNTY 3.5 N POSEY [33.5] An official NWS storm damage survey confi Several trees and power lines and poles we Texas mesonet site northeast of Slaton mea of near 90 mph associated with some of the	ar damage to walls, carpets, and per <b>3.74, -102.21]</b> 06/05/13 21:40 CST 06/05/13 22:45 CST net site near Anton measured seven <b>3, -101.69], 0.8 E SLATON [33.43,</b> 06/05/13 21:50 CST 06/05/13 22:00 CST armed significant wind driven damage as damage.	ersonal belongings. eral severe wind gu -101.64] ge from near Buffa ng piled on top of o	Nearly 30,000 cus 0 0 sts, peaking at 75 f 1M 10K lo Springs Lake an one another in Slate	tomers lost power in the city of Thunderstorm Wind (MG 65 kt) Source: Mesonet mph. Thunderstorm Wind (MG 71 kt) Source: NWS Storm Survey d Ransom Canyon down into Slaton. on. The Texas Tech University West
A Texas Tech University West Texas meson UBBOCK COUNTY 3.5 N POSEY [33.5] An official NWS storm damage survey confi Several trees and power lines and poles we rexas mesonet site northeast of Slaton mea of near 90 mph associated with some of the	ar damage to walls, carpets, and per <b>3.74, -102.21]</b> 06/05/13 21:40 CST 06/05/13 22:45 CST net site near Anton measured seven <b>3, -101.69], 0.8 E SLATON [33.43,</b> 06/05/13 21:50 CST 06/05/13 22:00 CST trimed significant wind driven damage the downed, along with rail cars being asured an 82 mph gust as the line of a damage. <b>01.53]</b>	ersonal belongings. eral severe wind gu -101.64] ge from near Buffa ng piled on top of o	Nearly 30,000 cus 0 0 sts, peaking at 75 f 1M 10K lo Springs Lake an- one another in Slatc hrough, while the N	tomers lost power in the city of Thunderstorm Wind (MG 65 kt) Source: Mesonet mph. Thunderstorm Wind (MG 71 kt) Source: NWS Storm Survey d Ransom Canyon down into Slaton. on. The Texas Tech University West IWS storm survey estimated wind gusts
ubbock. HOCKLEY COUNTY 6.0 SSW ANTON [3 A Texas Tech University West Texas meson	<b>3.74, -102.21]</b> 06/05/13 21:40 CST 06/05/13 22:45 CST net site near Anton measured seve <b>3, -101.69], 0.8 E SLATON [33.43,</b> 06/05/13 21:50 CST 06/05/13 22:00 CST trmed significant wind driven damagere downed, along with rail cars bei asured an 82 mph gust as the line of e damage. <b>01.53]</b> 06/05/13 21:55 CST 06/05/13 22:00 CST	eral severe wind gu -101.64] ge from near Buffa ng piled on top of o of storms passed t	Nearly 30,000 cus 0 0 sts, peaking at 75 f 1M 10K lo Springs Lake an- one another in Slate hrough, while the N 25K 0	tomers lost power in the city of Thunderstorm Wind (MG 65 kt) Source: Mesonet mph. Thunderstorm Wind (MG 71 kt) Source: NWS Storm Survey d Ransom Canyon down into Slaton. on. The Texas Tech University West IWS storm survey estimated wind gusts Thunderstorm Wind (EG 70 kt) Source: Mesonet
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A Texas Tech University West Texas meson A Texas Tech University West Texas meson UBBOCK COUNTY 3.5 N POSEY [33.5] An official NWS storm damage survey confi Several trees and power lines and poles we Fexas mesonet site northeast of Slaton mea of near 90 mph associated with some of the CROSBY COUNTY LORENZO [33.67, -1 A meteorologist with the Texas Tech Univer a warehouse in Lorenzo. 	ar damage to walls, carpets, and period         a3.74, -102.21]         06/05/13 21:40 CST         06/05/13 22:45 CST         net site near Anton measured seve         3, -101.69], 0.8 E SLATON [33.43, 06/05/13 21:50 CST         06/05/13 21:50 CST         06/05/13 22:00 CST         rmed significant wind driven damage         asured an 82 mph gust as the line of a damage.         01.53]         06/05/13 21:55 CST         06/05/13 22:00 CST         rsity West Texas mesonet group re         2, -101.76]         06/05/13 22:00 CST         net site in Tahoka measured a 62 r	eral severe wind gu -101.64] ge from near Buffa ng piled on top of o of storms passed t	Nearly 30,000 cus 0 0 1 1M 10K lo Springs Lake and one another in Slate hrough, while the N 25K 0 to 80 mph in Lorer 0	tomers lost power in the city of Thunderstorm Wind (MG 65 kt) Source: Mesonet mph. Thunderstorm Wind (MG 71 kt) Source: NWS Storm Survey d Ransom Canyon down into Slaton. on. The Texas Tech University West IWS storm survey estimated wind gusts Thunderstorm Wind (EG 70 kt) Source: Mesonet nzo. Additionally, a roof was torn off of Thunderstorm Wind (MG 54 kt)
A Texas Tech University West Texas meson A Texas Tech University West Texas meson UBBOCK COUNTY 3.5 N POSEY [33.5] An official NWS storm damage survey confi Several trees and power lines and poles we fexas mesonet site northeast of Slaton mea of near 90 mph associated with some of the CROSBY COUNTY LORENZO [33.67, -1 A meteorologist with the Texas Tech Univer a warehouse in Lorenzo. 	ar damage to walls, carpets, and period         a3.74, -102.21]         06/05/13 21:40 CST         06/05/13 22:45 CST         net site near Anton measured seve         3, -101.69], 0.8 E SLATON [33.43, 06/05/13 21:50 CST         06/05/13 21:50 CST         06/05/13 22:00 CST         rmed significant wind driven damage         asured an 82 mph gust as the line of a damage.         01.53]         06/05/13 21:55 CST         06/05/13 22:00 CST         rsity West Texas mesonet group re         2, -101.76]         06/05/13 22:00 CST         net site in Tahoka measured a 62 r	eral severe wind gu -101.64] ge from near Buffa ng piled on top of o of storms passed t	Nearly 30,000 cus 0 0 1 1M 10K lo Springs Lake and one another in Slate hrough, while the N 25K 0 to 80 mph in Lorer 0	tomers lost power in the city of Thunderstorm Wind (MG 65 kt) Source: Mesonet mph. Thunderstorm Wind (MG 71 kt) Source: NWS Storm Survey d Ransom Canyon down into Slaton. on. The Texas Tech University West IWS storm survey estimated wind gusts Thunderstorm Wind (EG 70 kt) Source: Mesonet nzo. Additionally, a roof was torn off of Thunderstorm Wind (MG 54 kt)

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
CROSBY COUNTY 6.2 NNE KALGARY [33.48,	-101.10]			
	06/05/13 22:27 CST		0	Hail (1.00 in)
	06/05/13 23:00 CST		0	Source: Law Enforcement
Law enforcement personnel reported quarter size	hail near White River Lake. No	damage was rep	orted.	
GARZA COUNTY 8.6 ENE JUSTICEBURG [33.	07, -101.06]			
	06/05/13 22:40 CST		0	Thunderstorm Wind (MG 54 kt)

0

Source: Mesonet

A Texas Tech University West Texas mesonet site near Lake Alan Henry recorded a 62 mph wind gust.

An area of thunderstorms developed as a result of upslope flow across the higher terrain of New Mexico during the mid to late afternoon hours, before morphing into a well-organized mesoscale convective complex into the late afternoon and evening. This complex raced southeast into the far southwest Texas panhandle and much of the South Plains, producing wind gusts near 90 mph and hail up to the size of baseballs. Several dozen reports of damage were received, including downed trees and power lines as well as broken windshields and damage to structures. By far, the most significant and widespread property damage was focused in northern Lubbock where some buildings lost roofs and thousands of windows were cracked or shattered. An electrical utility company stated that the number and severity of power outages in Lubbock alone had not been this extensive since the city was struck by the 1970 F5 tornado. In the wake of these destructive storms, high winds with frequent gusts of 50 to 70 mph were noted over much of the South Plains for up to an hour in duration. Total damages from this storm could exceed \$500 million.

06/05/13 22:40 CST



Damage at a railroad yard in Slaton, with rail cars piled on top of each other in the top image. Photo courtesy of NWS employees during official storm damage survey.

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
HALL COUNTY 5.0 N TURKEY [34.47, -10	0.88], 9.0 N TURKEY [34.53, -100.	.881		
• /	06/16/13 19:10 CST	•	0	Hail (2.50 in)
	06/16/13 19:20 CST		0	Source: NWS Employee
NWS employee reported golf ball size hail a ighway as this hailswath moved south.	along Highway 70 north of Turkey.	Farther south, a	storm chaser estim	ated tennis ball size hail along the same
BRISCOE COUNTY 3.7 ENE QUITAQUE [	34.39, -100.99]			
	06/16/13 20:00 CST		0	Thunderstorm Wind (EG 52 kt)
	06/16/13 20:00 CST		0	Source: Fire Department/Rescue
Fire rescue officials reported a large tree upro	poted between Quitaque and Turke	ey.		
MOTLEY COUNTY 8.0 N MATADOR [34.1	4, -100.82]			
	06/16/13 21:00 CST		15K	Hail (1.00 in)
	06/16/13 21:00 CST		0	Source: Fire Department/Rescue
A local fire department official observed quart Matador.	ter size hail north of Matador. Addi	tionally, damage	to trees and roofs v	vere reported on the north side of
MOTLEY COUNTY 3.0 N ROARING SPGS				
	06/16/13 21:25 CST		0	Thunderstorm Wind (MG 52 kt)
	06/16/13 21:25 CST		0	Source: Mesonet
The Texas Tech University West Texas Meso	onet site in Roaring Springs measu	ired a 60 mph wir	nd gust.	
CASTRO COUNTY 2.0 NE DIMMITT [34.5]	7, -102.30]			
•	06/16/13 23:50 CST		0	Thunderstorm Wind (MG 50 kt)
	06/16/13 23:50 CST		0	Source: Mesonet
The Texas Tech University West Texas Meso	onet site in Dimmitt measured a 58	mph gust.		
SWISHER COUNTY 0.9 NW HAPPY [34.74	4, -101.86]			
-	06/17/13 00:50 CST		1K	Thunderstorm Wind (EG 52 kt)
	06/17/13 00:50 CST		0	Source: Public
A citizen reported a carport blown off from a r	residence and into a neighboring y	ard.		
PARMER COUNTY 6.7 ENE BLACK [34.7	3, -102.52]			
	06/17/13 01:03 CST		5K	Thunderstorm Wind (EG 87 kt)
	06/17/13 01:03 CST		0	Source: Emergency Manager
A local Emergency Manager relayed a report outflow winds. No cargo spilled and no injurie		47 train cars der	ailed with 42 being	blown over by severe thunderstorm
CHILDRESS COUNTY CHILDRESS MUNI	ARPT [34.43, -100.30]			
	06/17/13 01:42 CST		0	Thunderstorm Wind (MG 58 kt)
	06/17/13 01:53 CST		0	Source: ASOS
The Automated Surface Observing System a	t the Childress Municipal Airport re	corded wind gust	s up to 67 mph for	about a ten minute duration.
Early this evening, a large supercell thunde by very large hail up to tennis ball size and organized farther west near the Texas and I east-southeast across the southern Texas I County east to Childress County - the most	damaging straight-line winds. By New Mexico state line and quickly Panhandle. Several reports of sev severe of which involved 47 freig	/ late this night, s y flourished into vere winds accor	scattered strong an a damaging squall npanied this squal	nd severe storms line that raced l line from Parmer
winds determined to be as high as 100 mph	L			
winds determined to be as high as 100 mph LUBBOCK COUNTY 0.6 W NEW DEAL [3	3.73, -101.84], 0.2 SW BURRIS [33	3.53, -101.78]		
		3.53, -101.78]	50K 14M	Hail (4.50 in) Source: Public

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Highway 84 near Loop 289. Initially, ba approximately softball size fell in north- diminished to golf ball and then quarter vehicles traveling along the east end o \$50,000. The greatest blow was dealt	sionally giant hail accompanied a slow-rr aseball size hail was observed on FM Ro east Lubbock along East 13th Street arour size. Fortunately, the majority of the larg f Loop 289 did suffer various degrees of to area cotton crops primarily in southeas &M AgriLife Extension Service. The valu	ad 1294 one mile und 5:15 pm CST. ge hail fell over sp body and glass da st Lubbock County	east of Interstate 2 As this supercell of arsely populated s image. Total prope where hail and to	27 near New Deal. The largest hail of continued southward, the large hail ections of east Lubbock; however, erty damage from hail is estimated at rrential rains destroyed an estimated
LUBBOCK COUNTY 0.9 NE WOLF	FORTH [33.51, -102.01], 1.1 W WOODR	DW [33.45, -101.84	-	T
	06/17/13 17:51 CST 06/17/13 18:06 CST		0 0	Thunderstorm Wind (MG 56 kt) Source: Trained Spotter
A swath of winds measured as high as damage accompanied these winds.	65 mph spread across southwest Lubbo	ock County accom		
LYNN COUNTY 4.9 NW WILSON [3	3.37, -101.79]			
	06/17/13 18:24 CST		0	Hail (2.25 in)
	06/17/13 18:24 CST		0	Source: Trained Spotter
A trained spotter measured 2.25 inch o	liameter hail about five miles northwest c	of Wilson. No know	n damage accom	panied the hail.
	CK AIRPARK [33.48, -101.84], 1.6 W LU	BBOCK AIRPAR	( [33.48, -101.85],	1.9 WNW LUBBOCK AIRPARK [33.49,
-101.85], 1.6 NW LUBBOCK AIRPARK	[ <b>33.49, -101.84]</b> 06/17/13 18:28 CST		0	Flood (due to Heavy Rain)
	06/17/13 19:30 CST		0	Source: Trained Spotter
A trained spotter reported minor floodir	ng of Highway 87 frontage road at 114th	Street.		
		404 021 4 C NN		04 021 4 CAINE DOUD (22 50 404 021
LUDBUCK COUNTY 1.6 NNE DOU	D [33.59, -101.92], 1.6 NNE DOUD [33.59 06/17/13 18:40 CST	o, -101.92], 1.6 NN	E DOUD [33.59, -1 0	01.92], 1.6 NNE DOUD [33.59, -101.92] Flood (due to Heavy Rain)
	06/17/13 19:40 CST		0	Source: Trained Spotter
A trained spotter reported minor street	flooding at the intersection of 4th Street	and Slide Road.		
COCHRAN COUNTY 0.6 W MORTO	ON COCHRAN CO AR [33.73, -102.74]			
	06/17/13 18:45 CST		0	Thunderstorm Wind (MG 50 kt)
	06/17/13 18:45 CST		0	Source: Mesonet
Measured by a Texas Tech University	West Texas Mesonet station near Morto	n.		
LYNN COUNTY 1.5 SSW TAHOKA	[33.16, -101.79]			
	06/17/13 19:02 CST		0	Hail (1.00 in)
	06/17/13 19:02 CST		0	Source: COOP Observer
Hail of quarter size was relayed by a N	WS CO-OP observer. No damage was r	eported.		
PARMER COUNTY 0.6 E BOVINA [	34.52, -102.89]			
	06/17/13 19:15 CST		0	Thunderstorm Wind (EG 52 kt)
	06/17/13 19:15 CST		0	Source: Law Enforcement
Law enforcement personnel estimated	winds of 60 mph in Bovina.			
LYNN COUNTY 0.7 N ODONNELL	32.98, -101.83]			
	06/17/13 19:30 CST		0	Thunderstorm Wind (MG 64 kt)
	06/17/13 19:30 CST		0	Source: Mesonet
Measured by a Texas Tech University	West Texas Mesonet station near O'Dor	inell.		
LYNN COUNTY 1.5 SSW TAHOKA	T BAR ARPT [33.16, -101.83], 1.5 SSW <sup>-</sup>	TAHOKA [33.16	101.79], 0.6 SW TA	AHOKA [33.17, -101.79], 0.6 SW
TAHOKA T BAR ARPT [33.17, -101.83	1	••••••	-	
	06/17/13 19:46 CST		2K 0	Flood (due to Heavy Rain)
	06/17/13 21:00 CST		0	Source: Trained Spotter

	Storm Data and Unusual	Weather Ph	enomena -	June 2013
Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details

A section of Highway 380 just west of Tahoka was covered by about 2 to 3 feet of water rendering two cars disabled. Minor flooding of streets was reported in Tahoka.

GARZA COUNTY 5.1 SSW GRAHAM CHAPEL [33.08, -101.50]					
06/17/13 20:15 CST	0	Thunderstorm Wind (MG 51 kt)			
06/17/13 20:15 CST	0	Source: Mesonet			

Measured by a Texas Tech University West Texas Mesonet station near Graham.

Late this afternoon, a slow-moving supercell thunderstorm formed near New Deal along a stationary front and tracked southward for the next 3.5 hours before finally dissipating near O'Donnell. Numerous reports of large to giant hail accompanied this storm with some hailstones as large as softballs as reported in northeast Lubbock. This supercell also produced localized flooding along its path and wiped out an estimated \$14M worth of cotton in southeast Lubbock County. Farther west, an expansive line of storms exiting New Mexico pushed east early this evening and were responsible for creating scattered severe wind gusts over the portions of the South Plains. Multiple roadways accrued standing water with two cars rendered disabled by high water in Tahoka at the US Highway 87 underpass.



Giant hail near softball size that fell in northeast Lubbock from a slow-moving supercell thunderstorm. Photo courtesy of KJTV news.

HALL COUNTY 2.0 NE LAKEVIEW [34.69, -100.68]				
06/19/13 07:30 CST	0	Heavy Rain		
06/19/13 08:15 CST	0	Source: Public		

The public measured 2.7 inches of rain in 45 minutes about two miles northeast of Lakeview.

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
IALL COUNTY MEMPHIS [34.72, -100.53]				
	06/19/13 07:30 CST		0	Heavy Rain
	06/19/13 10:30 CST		0	Source: Trained Spotter
trained spotter measured 3.5 inches of rain i	in Memphis.			
IALL COUNTY 4.1 N ELI [34.74, -100.61],		4 SSE TAMPICO [		
	06/19/13 08:00 CST		0	Flash Flood (due to Heavy Rain)
	06/19/13 10:30 CST		0	Source: Public
Videspread flash flooding was reported by ser ooding in north-central Hall County from torre inches was measured in Memphis. Rapid runc ihis highway was reported as being impassab neasured as high as 0.72 inches by a Texas <sup>-</sup> r some area crops are unknown.	ential rain. A resident in Lakeview off resulted in flooding of Highway ole in Lesley. The cluster of storm	measured 2.7 inc 256 from Lesley s responsible for t	hes of rain in just 4 east to Lakeview, a his flooding earlier	15 minutes, and a total rainfall of 3.5 and to 5.5 miles southwest of Memphis. produced five-minute rainfall rates
BRISCOE COUNTY 5.6 NNW QUITAQUE [			0	Heavy Pain
	06/19/13 08:20 CST 06/19/13 11:00 CST		0 0	Heavy Rain Source: COOP Observer
	00101011.00 001		U	
cooperative weather observer measured 4.0	02 inches of rain. The duration of	rainfall was estima	ated from radar and	d West Texas Mesonet data.
BRISCOE COUNTY 0.5 E GASOLINE [34.3 101.22]	3, -100.99], 7.1 N QUITAQUE [34	1.47, -101.05], 1.2	NE SILVERTON [3	4.48, -101.29], 6.1 E WHITELEY [34.34,
	06/19/13 09:25 CST		5K	Flash Flood (due to Heavy Rain)
	06/19/13 12:30 CST		0	Source: Law Enforcement
norning resulted in a storm total rainfall of 4.0. Prong of the Little Red River was inundated by	2 inches at the park. Similar to a y floodwaters laden with debris ar	flash flood in the p nd subsequently lo	ate Park. Additiona park in September o st large sections o	I rainfall from training thunderstorms this of 2012, the bridge crossing the South f asphalt road. Elsewhere in Briscoe
norning resulted in a storm total rainfall of 4.0 Prong of the Little Red River was inundated by County, a rock slide occurred along Highway 2	2 inches at the park. Similar to a y floodwaters laden with debris ar 256 east of Silverton and Farm-to 37, -101.06]	flash flood in the p nd subsequently lo	ate Park. Additiona park in September ost large sections o in Gasoline was u	I rainfall from training thunderstorms this of 2012, the bridge crossing the South f asphalt road. Elsewhere in Briscoe Inder water.
norning resulted in a storm total rainfall of 4.0 rong of the Little Red River was inundated by county, a rock slide occurred along Highway 2	2 inches at the park. Similar to a y floodwaters laden with debris ar 256 east of Silverton and Farm-to 37, -101.06] 06/19/13 09:50 CST	flash flood in the p nd subsequently lo	ate Park. Additiona aark in September o ist large sections o i in Gasoline was u 10K	Il rainfall from training thunderstorms this of 2012, the bridge crossing the South f asphalt road. Elsewhere in Briscoe Inder water. Thunderstorm Wind (EG 61 kt)
norning resulted in a storm total rainfall of 4.0 Prong of the Little Red River was inundated by County, a rock slide occurred along Highway 2	2 inches at the park. Similar to a y floodwaters laden with debris ar 256 east of Silverton and Farm-to 37, -101.06]	flash flood in the p nd subsequently lo	ate Park. Additiona park in September ost large sections o in Gasoline was u	I rainfall from training thunderstorms this of 2012, the bridge crossing the South f asphalt road. Elsewhere in Briscoe Inder water.
Forrential rainfall rates produced 1.92 inches of morning resulted in a storm total rainfall of 4.0. Prong of the Little Red River was inundated by County, a rock slide occurred along Highway 2 BRISCOE COUNTY 0.6 W QUITAQUE [34.3 An emergency manager reported wind damag mobile homes were shifted from their foundation removed the top of the town's old water tower. MOTLEY COUNTY 0.9 NW FLOMOT [34.23	2 inches at the park. Similar to a y floodwaters laden with debris ar 256 east of Silverton and Farm-to 37, -101.06] 06/19/13 09:50 CST 06/19/13 09:50 CST is just west of Quitaque with wind on and tree limbs up to eight inch 3, -100.99] 06/19/13 10:07 CST	flash flood in the p nd subsequently lo -Market Road 599	ate Park. Additiona oark in September o in Gasoline was u 10K 0 o 70 mph. Along w re snapped. In Qui 20K	Il rainfall from training thunderstorms this of 2012, the bridge crossing the South if asphalt road. Elsewhere in Briscoe inder water. Thunderstorm Wind (EG 61 kt) Source: Emergency Manager ith area roofs being damaged, some taque, winds of similar magnitude Thunderstorm Wind (EG 61 kt)
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A storm total rainfall of 4.0. rong of the Little Red River was inundated by rounty, a rock slide occurred along Highway 2 <b>RISCOE COUNTY 0.6 W QUITAQUE [34.3</b> In emergency manager reported wind damage hobile homes were shifted from their foundation emoved the top of the town's old water tower. <b>IOTLEY COUNTY 0.9 NW FLOMOT [34.23</b> aw enforcement reported numerous trees and verturned and damaged nearby. <b>OTTLE COUNTY 2.3 SW LAZARE [34.29</b> ;	2 inches at the park. Similar to a y floodwaters laden with debris ar 256 east of Silverton and Farm-to <b>37, -101.06]</b> 06/19/13 09:50 CST 06/19/13 09:50 CST e just west of Quitaque with wind on and tree limbs up to eight inch <b>3, -100.99]</b> 06/19/13 10:07 CST 06/19/13 10:07 CST d one power line down in the Flor	flash flood in the p nd subsequently k -Market Road 599 gusts estimated t les in diameter we	ate Park. Additiona oark in September of st large sections of in Gasoline was u 10K 0 o 70 mph. Along w re snapped. In Qui 20K 0 estimated 25 cent	I rainfall from training thunderstorms this of 2012, the bridge crossing the South f asphalt road. Elsewhere in Briscoe inder water. Thunderstorm Wind (EG 61 kt) Source: Emergency Manager ith area roofs being damaged, some taque, winds of similar magnitude Thunderstorm Wind (EG 61 kt) Source: Law Enforcement er pivot irrigation systems were
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norning resulted in a storm total rainfall of 4.0. Prong of the Little Red River was inundated by County, a rock slide occurred along Highway 2 BRISCOE COUNTY 0.6 W QUITAQUE [34.3 An emergency manager reported wind damag mobile homes were shifted from their foundatii emoved the top of the town's old water tower.	2 inches at the park. Similar to a 9 floodwaters laden with debris ar 256 east of Silverton and Farm-to 37, -101.06] 06/19/13 09:50 CST 06/19/13 09:50 CST e just west of Quitaque with wind on and tree limbs up to eight inch 3, -100.99] 06/19/13 10:07 CST 06/19/13 10:07 CST d one power line down in the Flor , -100.03], 7.3 ESE BAKER [34.18 06/19/13 10:10 CST 06/19/13 13:00 CST orthern Cottle County for at least able. Road flooding elsewhere was	flash flood in the p nd subsequently k -Market Road 599 gusts estimated t es in diameter we mot area. Also, an <b>5</b> , -100.01], <b>5.7 SS</b> two hours. The wa	ate Park. Additiona oark in September of st large sections o in Gasoline was u 10K 0 o 70 mph. Along w re snapped. In Qui 20K 0 estimated 25 cent W CEE VEE [34.14 0 0	I rainfall from training thunderstorms this of 2012, the bridge crossing the South f asphalt road. Elsewhere in Briscoe inder water. Thunderstorm Wind (EG 61 kt) Source: Emergency Manager ith area roofs being damaged, some taque, winds of similar magnitude Thunderstorm Wind (EG 61 kt) Source: Law Enforcement er pivot irrigation systems were 4, -100.48], 4.5 NNW CEE VEE [34.28, Flash Flood (due to Heavy Rain) Source: Law Enforcement bserved in and around Cee Vee where
An emergency manager reported wind damage nobile homes were shifted from their foundation and emergency manager reported wind damage nobile homes were shifted from their foundation emoved the top of the town's old water tower. MOTLEY COUNTY 0.9 NW FLOMOT [34.23 and enforcement reported numerous trees and werturned and damaged nearby. COTTLE COUNTY 2.3 SW LAZARE [34.29, 100.48]	2 inches at the park. Similar to a y floodwaters laden with debris ar 256 east of Silverton and Farm-to <b>37, -101.06]</b> 06/19/13 09:50 CST 06/19/13 09:50 CST e just west of Quitaque with wind on and tree limbs up to eight inch <b>3, -100.99]</b> 06/19/13 10:07 CST 06/19/13 10:07 CST d one power line down in the Flor <b>, -100.03], 7.3 ESE BAKER [34.15</b> 06/19/13 10:10 CST 06/19/13 13:00 CST orthern Cottle County for at least able. Road flooding elsewhere wa o known damage occurred to the	flash flood in the p nd subsequently k -Market Road 599 gusts estimated t les in diameter we mot area. Also, an <b>5, -100.01], 5.7 SS</b> two hours. The we as less severe, bur road surfaces.	ate Park. Additiona oark in September of st large sections o in Gasoline was u 10K 0 o 70 mph. Along w re snapped. In Qui 20K 0 estimated 25 cent <b>W CEE VEE [34.14</b> 0 0 orst flooding was o t still an inconvenie	I rainfall from training thunderstorms this of 2012, the bridge crossing the South if asphalt road. Elsewhere in Briscoe inder water. Thunderstorm Wind (EG 61 kt) Source: Emergency Manager ith area roofs being damaged, some taque, winds of similar magnitude Thunderstorm Wind (EG 61 kt) Source: Law Enforcement er pivot irrigation systems were 4, -100.48], 4.5 NNW CEE VEE [34.28, Flash Flood (due to Heavy Rain) Source: Law Enforcement bserved in and around Cee Vee where ence to motorists particularly along
An emergency manager reported wind damage nobile homes were shifted from their foundation and the top of the town's old water tower. <b>MOTLEY COUNTY 0.9 NW FLOMOT [34.23</b> An emergency manager reported wind damage nobile homes were shifted from their foundation emoved the top of the town's old water tower. <b>MOTLEY COUNTY 0.9 NW FLOMOT [34.23</b> and enforcement reported numerous trees and werturned and damaged nearby. <b>COTTLE COUNTY 2.3 SW LAZARE [34.29</b> , <b>100.48]</b> Forrential rainfall inundated several roads in near aw enforcement reported all roads as impassed lighway 83 and Farm-to-Market Road 104. No	2 inches at the park. Similar to a y floodwaters laden with debris ar 256 east of Silverton and Farm-to <b>37, -101.06]</b> 06/19/13 09:50 CST 06/19/13 09:50 CST e just west of Quitaque with wind on and tree limbs up to eight inch <b>3, -100.99]</b> 06/19/13 10:07 CST 06/19/13 10:07 CST d one power line down in the Flor <b>, -100.03], 7.3 ESE BAKER [34.15</b> 06/19/13 10:10 CST 06/19/13 13:00 CST orthern Cottle County for at least able. Road flooding elsewhere wa o known damage occurred to the	flash flood in the p nd subsequently k -Market Road 599 gusts estimated t les in diameter we mot area. Also, an <b>5, -100.01], 5.7 SS</b> two hours. The we as less severe, bur road surfaces.	ate Park. Additiona oark in September of st large sections o in Gasoline was u 10K 0 o 70 mph. Along w re snapped. In Qui 20K 0 estimated 25 cent <b>W CEE VEE [34.14</b> 0 0 orst flooding was o t still an inconvenie	I rainfall from training thunderstorms this of 2012, the bridge crossing the South if asphalt road. Elsewhere in Briscoe inder water. Thunderstorm Wind (EG 61 kt) Source: Emergency Manager ith area roofs being damaged, some taque, winds of similar magnitude Thunderstorm Wind (EG 61 kt) Source: Law Enforcement er pivot irrigation systems were 4, -100.48], 4.5 NNW CEE VEE [34.28, Flash Flood (due to Heavy Rain) Source: Law Enforcement bserved in and around Cee Vee where ence to motorists particularly along

Storm Data and Unusual Weather Phenomena - June 2013					
Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details	

Law enforcement reported flooding along Main Street in Turkey. Sections of rural roads outside the city also had various degrees of flooding. No known flood damage was reported in Turkey.

MOTLEY COUNTY 5.0 ENE NORTHFIELD [34.31	1, -100.52], 7.1 NNW FLOMOT [34.31, -101.04],	7.7 SSW FLOMO	[34.12, -101.04], 12.0 SSE
NORTHFIELD [34.12, -100.52]			
	06/19/13 11:00 CST	0	Flash Flood (due to Heavy Rain)
	06/19/13 14:00 CST	0	Source: Law Enforcement

Law enforcement reported that all roads in northern Motley County had some degree of flooding. Torrential rainfall created several mud and debris flows that in some cases deposited in excess of one foot of mud along sections of roads. No known damage occurred to any of the road surfaces.

During the morning hours, a complex of thunderstorms propagated slowly southward from the eastern Panhandle into the Rolling Plains. Several of these storms were strong to severe, and one storm produced straight-line wind damage in Quitaque, including lifting the top of the town water tower off. However, the more widespread impact was very heavy rainfall that produced flash flooding over a large chunk of the southeast Panhandle into the northern Rolling Plains. Caprock Canyons State Park recorded 4.02 inches of rainfall, which fell at torrential rates measured as high as 12 inches per hour for a brief period. The extreme rainfall rates led to large amounts of runoff and widespread flooding. A road in the state park was flooded in two locations when the South Prong of the Little Red River became swollen. In addition, numerous other roadways were flooded across Briscoe, Hall, southwest Childress, and northern Cottle Counties. The flooding gradually subsided by the early afternoon hours after storms exited to the southeast. This morning complex of storms produced a large outflow boundary that surged westward onto the Caprock by midday and helped fuel the development of more severe weather later this afternoon. This latter severe weather summary can be found in the following event entry for this date.

HOCKLEY COUNTY 5.4 WSW COBLE [33.58, -102.59]					
06	6/19/13 16:03 CST	0	Hail (1.00 in)		
06.	5/19/13 16:03 CST	0	Source: Trained Spotter		

A SKYWARN spotter estimated quarter size hail two miles southeast of Whiteface. No damage was reported.

HOCKLEY COUNTY 4.9 NNW SUNDOWN [33.51, -102.54], 4.5 WNW CLAUENE [33.50, -102.45]					
06/19/13 16:30 CST	25K	Hail (3.10 in)			
06/19/13 16:58 CST	0	Source: NWS Employee			

A NWS employee and storm chaser observed hail of tennis ball size to just over three inches in diameter. The most destructive hailswath occurred from about five miles northwest of Sundown to four miles north-northeast of Sundown. Video indicated the very large hail fell for nearly six minutes at one location. Vehicles and buildings throughout the hailswath sustained various degrees of damage.

HOCKLEY COUNTY 4.1 WNW SUNDOWN [33.48, -102.56], 4.2 SW COBLE [33.55, -102.55]					
06/19/13 16:32 CST	50K	Tornado (EF2, L: 5.20 mi , W: 350 yd)			
06/19/13 16:52 CST	0	Source: NWS Storm Survey			

A supercell thunderstorm spawned an EF-2 tornado in far southwest Hockley County resulting in damage to oil field equipment, outbuildings, power poles, and storage tanks. Although the parent storm moved very slowly east throughout the tornado's life, a strong rear flank downdraft and occluding mesocyclone caused the tornado to veer sharply northward early in its life. This tornado began about 4 miles west-northwest of Sundown and moved northward for just over 5 miles in length before ending about 4.2 miles southeast of Whiteface. Photos and video from a storm chaser captured the evolution of this tornado. The tornado began as a compact debris cloud that became weak and diffuse just minutes before a narrow, fully condensed tornado emerged within wrapping rain curtains. At this point, a satellite funnel was observed along the periphery of the tornado, but this funnel is not believed to have become tornadic. After being largely obscured in rain for nearly five minutes, the tornado re-emerged as a fully condensed cone shape just before crossing FM Road 1585 and finally dissipating north of the road. The end time of the tornado was approximated from NWS Lubbock radar data. A NWS storm survey discovered scattered damage throughout portions of the tornado's track - the most intense of which was rated EF-2 over the southern portion of its path. Specifically, in excess of one dozen power poles were snapped at their base and a free-standing metal tower at a well site was bent. In a surrounding field, a wide swath of mesquite trees with branches of 1 to 3 inches in diameter were sheared off. This damage suggested maximum wind speeds were likely around 115 mph. Farther north at the abandoned Oxy facility located on FM 1585 west of Sampson Post Road, a large portion of a metal roof was removed and a nearby metal building was shifted off its foundation. Also, a large tree on the property was uprooted. This portion of damage was rated EF-0. North of the Oxy facility, EF-0 damage was noted to two fiberglass tank batteries with the top of one completely removed. The NWS in Lubbock would like to thank Hockley County emergency management for assisting with this storm survey.

BAILEY COUNTY 0.6 W MULESHOE [34.22, -102.74]					
	06/19/13 17:18 CST	0	Hail (1.00 in)		
	06/19/13 17:18 CST	0	Source: Law Enforcement		

Law enforcement personnel estimated quarter size hail on Farm-to-Market Road 1731 about one mile southwest of Muleshoe. No damage was reported.

After the morning complex of storms and associated flash flooding northeast of the South Plains, an outflow boundary from these storms surged west onto the Caprock ahead of strong easterly winds and widespread blowing dust. This dust became thick enough to

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

reduce visibilities occasionally below 1/4 mile in some areas. By mid-afternoon, a lone supercell storm developed along this boundary in southeast Cochran County and later produced a 20-minute EF-2 tornado in southwest Hockley County. Although this tornado remained over mostly undeveloped land, some oil field equipment, metal buildings, and power poles were heavily damaged or destroyed. The parent supercell also produced very large hail slightly larger than three inches in diameter that damaged some homes and vehicles. Farther west, scattered storms exited east-central New Mexico and produced a few instances of sub-severe wind gusts in Parmer and Bailey Counties along with marginally severe hail near Muleshoe. As these storms continued east and moved into more stable air behind the outflow boundary, they quickly weakened but still managed to generate locally heavy rainfall.



*EF-2 tornado about to cross FM Road 1585 northwest of Sundown, TX. This tornado moved north for the majority of its 20-minute life, while the parent supercell drifted east. Photo by Bruce Haynie.* 

PARMER COUNTY 1.1 E LAZBUD	DIE [34.38, -102.60]			
	06/20/13 17:34 CST	0	Thunderstorm Wind (MG 55 kt)	
	06/20/13 17:34 CST	0	Source: Broadcast Media	
A local broadcast media outlet relayed	d a report from a schoolnet weather station in Laz	buddie of a 63 mph wind	d gust.	
	T 104 F7 400 001			
CASTRO COUNTY 2.0 NE DIMMIT	• • •	2		
	06/20/13 17:55 CST	0	Thunderstorm Wind (MG 56 kt)	
	06/20/13 18:00 CST	0	Source: Mesonet	
A Texas Tech University West Texas	Mesonet station in Dimmitt recorded a 65 mph w	ind gust.		
PARMER COUNTY 2.0 NE FRION	A [34.65, -102.71]			
	06/20/13 18:10 CST	0	Thunderstorm Wind (MG 51 kt)	
	06/20/13 18:10 CST	0	Source: Mesonet	

A Texas Tech University West Texas Mesonet site in Friona measured a 59 mph wind gust.

	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
HALE COUNTY 1.0 S PLAINVIEW [34				
	06/20/13 18:55 CST		0	Thunderstorm Wind (MG 53 kt)
	06/20/13 18:55 CST		0	Source: Mesonet
A Texas Tech University West Texas Me	sonet station in Plainview recorded a 6	31 mph wind gust.		
TX-Z028) LAMB			_	
	06/20/13 23:15 CST		0	High Wind (MAX 51 kt)
	06/20/13 23:15 CST		0	
Storms developed during the early ever Mexico state line served as the lifting m activity, a wake low developed. This fea into the early overnight hours.	nechanism for these storms, which p	roduced wind gus	sts up to 65 mph. I	Following this initial
IOCKLEY COUNTY 1.0 N SMYER [33	3.59, -102.17]			
	06/21/13 19:21 CST		0	Hail (1.00 in)
	06/21/13 19:21 CST		0	Source: Trained Spotter
Skywarn spotter reported quarter size h	hail near Smyer.			
ARMER COUNTY 2.0 NE FRIONA [3				
	06/21/13 19:25 CST		0	Thunderstorm Wind (MG 55 kt)
	06/21/13 19:25 CST		0	Source: Mesonet
Texas Tech University West Texas Me	sonet site in Friona measured a 63 mp	h wind gust.		
OAKUM COUNTY 0.6 E BRONCO [3	33.25, -103.04]			
	06/21/13 19:35 CST		0	Hail (1.00 in)
	06/21/13 19:35 CST		0	Source: Trained Spotter
trained spotter reported quarter size ha	ill near Bronco.			
ERRY COUNTY 0.6 E BROWNFIELD	) [33.18, -102.27]			
	06/21/13 21:22 CST		0	Hail (1.25 in)
	06/21/13 21:34 CST		0	Source: Emergency Manager
Scattered storms developed during the state line. These storms moved and cor evel jet developed and increased storm	early evening hours along a surface ntinued to develop into the South Pla	trough axis posit	tioned near the Te southwestern Tex	as panhandle as a low
cattered storms developed during the tate line. These storms moved and cor evel jet developed and increased storm nph.	early evening hours along a surface ntinued to develop into the South Pla n scale organization. Hail up to half d HY [33.83, -101.84]	trough axis posit	tioned near the Te southwestern Tex ported along with v	as panhandle as a low wind gusts of 60 to 65
Scattered storms developed during the tate line. These storms moved and cor evel jet developed and increased storm nph.	early evening hours along a surface ntinued to develop into the South Pla n scale organization. Hail up to half d	trough axis posit	tioned near the Te southwestern Tex	as panhandle as a low wind gusts of 60 to 65 Thunderstorm Wind (EG 56 kt)
Scattered storms developed during the tate line. These storms moved and cor evel jet developed and increased storm nph. UBBOCK COUNTY 0.6 E ABERNAT	e early evening hours along a surface ntinued to develop into the South Pla n scale organization. Hail up to half d HY [33.83, -101.84] 06/29/13 08:00 CST 06/29/13 08:00 CST	trough axis posit ins and extreme s ollar size was rep	tioned near the Te southwestern Tex ported along with v 3K 0	as panhandle as a low wind gusts of 60 to 65 Thunderstorm Wind (EG 56 kt) Source: Department of Highways
Ecattered storms developed during the tate line. These storms moved and cor evel jet developed and increased storm nph. UBBOCK COUNTY 0.6 E ABERNAT	e early evening hours along a surface ntinued to develop into the South Pla n scale organization. Hail up to half d HY [33.83, -101.84] 06/29/13 08:00 CST 06/29/13 08:00 CST	trough axis posit ins and extreme s ollar size was rep	tioned near the Te southwestern Tex ported along with v 3K 0	as panhandle as a low wind gusts of 60 to 65 Thunderstorm Wind (EG 56 kt) Source: Department of Highways
Scattered storms developed during the tate line. These storms moved and cor evel jet developed and increased storm nph. UBBOCK COUNTY 0.6 E ABERNAT	e early evening hours along a surface ntinued to develop into the South Pla n scale organization. Hail up to half d HY [33.83, -101.84] 06/29/13 08:00 CST 06/29/13 08:00 CST	trough axis posit ins and extreme s ollar size was rep	tioned near the Te southwestern Tex ported along with v 3K 0	as panhandle as a low wind gusts of 60 to 65 Thunderstorm Wind (EG 56 kt) Source: Department of Highways
An Emergency Manager and public citize Scattered storms developed during the state line. These storms moved and cor evel jet developed and increased storm nph. UBBOCK COUNTY 0.6 E ABERNATI Severe thunderstorm winds of at least 60 PARMER COUNTY 1.3 WNW FRIONA	e early evening hours along a surface ntinued to develop into the South Pla n scale organization. Hail up to half d HY [33.83, -101.84] 06/29/13 08:00 CST 06/29/13 08:00 CST 0 mph overturned a tractor-trailer on Int A BENGER ARPK [34.66, -102.70]	trough axis posit ins and extreme s ollar size was rep	tioned near the Te southwestern Tex. ported along with v 3K 0 nathy near mile ma	as panhandle as a low wind gusts of 60 to 65 Thunderstorm Wind (EG 56 kt) Source: Department of Highways arker 21. The driver was unharmed.
Acattered storms developed during the tate line. These storms moved and cor evel jet developed and increased storm hph. UBBOCK COUNTY 0.6 E ABERNAT Severe thunderstorm winds of at least 60 WARMER COUNTY 1.3 WNW FRIONA	e early evening hours along a surface ntinued to develop into the South Pla n scale organization. Hail up to half d HY [33.83, -101.84] 06/29/13 08:00 CST 06/29/13 08:00 CST 0 mph overturned a tractor-trailer on Int A BENGER ARPK [34.66, -102.70] 06/29/13 18:40 CST 06/29/13 18:40 CST	trough axis posit ins and extreme s ollar size was rep erstate 27 in Aber	tioned near the Te southwestern Tex. borted along with v 3K 0 nathy near mile ma	as panhandle as a low wind gusts of 60 to 65 Thunderstorm Wind (EG 56 kt) Source: Department of Highways arker 21. The driver was unharmed. Thunderstorm Wind (MG 53 kt)
Scattered storms developed during the state line. These storms moved and cor- evel jet developed and increased storm nph. UBBOCK COUNTY 0.6 E ABERNATI Severe thunderstorm winds of at least 60 PARMER COUNTY 1.3 WNW FRIONA Measured by a Texas Tech University We	e early evening hours along a surface ntinued to develop into the South Pla in scale organization. Hail up to half d (HY [33.83, -101.84] 06/29/13 08:00 CST 06/29/13 08:00 CST 0 mph overturned a tractor-trailer on Int A BENGER ARPK [34.66, -102.70] 06/29/13 18:40 CST 06/29/13 18:40 CST est Texas Mesonet station near Friona	trough axis posit ins and extreme s ollar size was rep erstate 27 in Aber	tioned near the Te southwestern Tex. borted along with v 3K 0 nathy near mile ma	as panhandle as a low wind gusts of 60 to 65 Thunderstorm Wind (EG 56 kt) Source: Department of Highways arker 21. The driver was unharmed. Thunderstorm Wind (MG 53 kt)
Scattered storms developed during the state line. These storms moved and cor evel jet developed and increased storm nph. UBBOCK COUNTY 0.6 E ABERNAT	e early evening hours along a surface ntinued to develop into the South Pla in scale organization. Hail up to half d (HY [33.83, -101.84] 06/29/13 08:00 CST 06/29/13 08:00 CST 0 mph overturned a tractor-trailer on Int A BENGER ARPK [34.66, -102.70] 06/29/13 18:40 CST 06/29/13 18:40 CST est Texas Mesonet station near Friona	trough axis posit ins and extreme s ollar size was rep erstate 27 in Aber	tioned near the Te southwestern Tex. borted along with v 3K 0 nathy near mile ma	as panhandle as a low wind gusts of 60 to 65 Thunderstorm Wind (EG 56 kt) Source: Department of Highways arker 21. The driver was unharmed. Thunderstorm Wind (MG 53 kt)

The public estimated quarter size hail in Friona. No damage was reported.

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
LYNN COUNTY 0.7 N ODONNELL [32.98, -101	.83]			
	06/29/13 22:45 CST		0	Thunderstorm Wind (MG 51 kt)
	06/29/13 22:45 CST		0	Source: Mesonet

Measured by a Texas Tech University West Texas Mesonet station near O'Donnell.

An unseasonably cool and unstable weather pattern supported three rounds of strong and severe thunderstorms this day. The first severe storm developed early in the morning in southern Hale County and moved south accompanied by wind gusts of at least 50 to 60 mph. A tractor-trailer traveling southbound on Interstate 27 in Abernathy was toppled by these winds; however, no injuries occurred. Although this storm weakened as it moved south into the city of Lubbock, winds at the Lubbock International Airport still peaked at 56 mph resulting in occasionally thick blowing dust along the gust front. By mid-evening, a lone supercell thunderstorm developed in Deaf Smith County and proceeded to drift southwest into Parmer and Castro Counties. This supercell produced marginally severe hail and wind gusts as high as 61 mph in and near Friona before later weakening. By late evening, a small complex of thunderstorms developed over the western South Plains and wandered southeast through the night resulting in one severe wind gust in southern Lynn County.