Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
TEXAS, South Panhandle				
TX-Z021) PARMER				
· •	04/01/10 14:05 CST		0	High Wind (MAX 52 kt)
	04/01/10 14:05 CST		0	
ustained in the 25 to 35 mph range,	were common across the west Texas an isolated severe gust of 60 mph wa after 14:00 CST. No damage was repo	is recorded by the	-	
TX-Z034) HOCKLEY				
	04/07/10 15:45 CST		0	Wildfire
	04/07/10 19:00 CST		0	
-	cres before it was contained. No dan RTON [34.50, -101.28], 9.7 N QUITAQU 04/15/10 04:30 CST		0	Heavy Rain
	04/17/10 02:00 CST		0	Source: Mesonet
ock slides along Texas Highway 256, v	where the scenic route winds through s RESS [34.42, -100.23]	-	s. No serious dama	
ock slides along Texas Highway 256, CHILDRESS COUNTY 1.6 W CHILD	where the scenic route winds through s RESS [34.42, -100.23] 04/15/10 04:30 CST 04/17/10 02:00 CST	steep canyon slope	s. No serious dama 0 0	age or injuries were reported. Heavy Rain Source: Mesonet
ock slides along Texas Highway 256, • CHILDRESS COUNTY 1.6 W CHILD	where the scenic route winds through s PRESS [34.42, -100.23] 04/15/10 04:30 CST	steep canyon slope	s. No serious dama 0 0	age or injuries were reported. Heavy Rain Source: Mesonet
rock slides along Texas Highway 256, CHILDRESS COUNTY 1.6 W CHILD	where the scenic route winds through s RESS [34.42, -100.23] 04/15/10 04:30 CST 04/17/10 02:00 CST at Texas during the early morning hours over portions of western Childress Cou	steep canyon slope	s. No serious dama 0 0	age or injuries were reported. Heavy Rain Source: Mesonet
bock slides along Texas Highway 256, HILDRESS COUNTY 1.6 W CHILD leavy rainfall began over much of wes btals of 5 to 6 inches were measured o	where the scenic route winds through s RESS [34.42, -100.23] 04/15/10 04:30 CST 04/17/10 02:00 CST at Texas during the early morning hours over portions of western Childress Cou (33.98, -101.34) 04/15/10 04:30 CST	steep canyon slope	s. No serious dama 0 0 e time rainfall subsi 0	age or injuries were reported. Heavy Rain Source: Mesonet ded early on the 17th, 48-hour rainfall Heavy Rain
Tock slides along Texas Highway 256, CHILDRESS COUNTY 1.6 W CHILD Heavy rainfall began over much of wes totals of 5 to 6 inches were measured o	where the scenic route winds through s PRESS [34.42, -100.23] 04/15/10 04:30 CST 04/17/10 02:00 CST at Texas during the early morning hours over portions of western Childress Cou [33.98, -101.34]	steep canyon slope	s. No serious dama 0 0 e time rainfall subsi	age or injuries were reported. Heavy Rain Source: Mesonet ded early on the 17th, 48-hour rainfall
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Action of the second se	where the scenic route winds through s RESS [34.42, -100.23] 04/15/10 04:30 CST 04/17/10 02:00 CST at Texas during the early morning hours over portions of western Childress Cou (33.98, -101.34) 04/15/10 04:30 CST 04/17/10 02:00 CST at Texas during the early morning hours o an unofficial measurement of 10.00 ir y. [34.15, -101.98], 10.1 E SETH WARD [s of the 15th. By the nty.	s. No serious dama 0 0 e time rainfall subsi 0 0 0	Age or injuries were reported. Heavy Rain Source: Mesonet ded early on the 17th, 48-hour rainfall Heavy Rain Source: Mesonet ded early on the 17th, rainfall totals ports of 6-8 inches of rain were received
Ack slides along Texas Highway 256, CHILDRESS COUNTY 1.6 W CHILD Heavy rainfall began over much of wes totals of 5 to 6 inches were measured o COYD COUNTY 0.5 W FLOYDADA Heavy rainfall began over much of wes anged from 4.78 inches at Floydada to rom residents in northern Floyd Count	where the scenic route winds through s RESS [34.42, -100.23] 04/15/10 04:30 CST 04/17/10 02:00 CST at Texas during the early morning hours over portions of western Childress Cou (33.98, -101.34] 04/15/10 04:30 CST 04/17/10 02:00 CST at Texas during the early morning hours 04/17/10 02:00 CST at Texas during the early morning hours an unofficial measurement of 10.00 in y. [34.15, -101.98], 10.1 E SETH WARD [04/15/10 04:30 CST	s of the 15th. By the nty.	s. No serious dama 0 0 e time rainfall subsi 0 0 e time rainfall subsi Many unofficial re	age or injuries were reported. Heavy Rain Source: Mesonet ded early on the 17th, 48-hour rainfall Heavy Rain Source: Mesonet ded early on the 17th, rainfall totals ports of 6-8 inches of rain were received Heavy Rain
ock slides along Texas Highway 256, CHILDRESS COUNTY 1.6 W CHILD Heavy rainfall began over much of wes otals of 5 to 6 inches were measured o FLOYD COUNTY 0.5 W FLOYDADA Heavy rainfall began over much of wes anged from 4.78 inches at Floydada to rom residents in northern Floyd Count	where the scenic route winds through s RESS [34.42, -100.23] 04/15/10 04:30 CST 04/17/10 02:00 CST at Texas during the early morning hours over portions of western Childress Cou (33.98, -101.34) 04/15/10 04:30 CST 04/17/10 02:00 CST at Texas during the early morning hours o an unofficial measurement of 10.00 ir y. [34.15, -101.98], 10.1 E SETH WARD [s of the 15th. By the nty.	s. No serious dama 0 0 e time rainfall subsi 0 0 0 e time rainfall subsi Many unofficial re	Age or injuries were reported. Heavy Rain Source: Mesonet ded early on the 17th, 48-hour rainfall Heavy Rain Source: Mesonet ded early on the 17th, rainfall totals ports of 6-8 inches of rain were received
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ock slides along Texas Highway 256, • CHILDRESS COUNTY 1.6 W CHILD Heavy rainfall began over much of wes otals of 5 to 6 inches were measured of FLOYD COUNTY 0.5 W FLOYDADA Heavy rainfall began over much of wes anged from 4.78 inches at Floydada to rom residents in northern Floyd County HALE COUNTY 2.7 SW HALFWAY Heavy rainfall began over much of wes of rainfall was officially measured at Pla	where the scenic route winds through s RESS [34.42, -100.23] 04/15/10 04:30 CST 04/17/10 02:00 CST at Texas during the early morning hours over portions of western Childress Cou (33.98, -101.34] 04/15/10 04:30 CST 04/17/10 02:00 CST at Texas during the early morning hours 04/17/10 02:00 CST at Texas during the early morning hours 0 an unofficial measurement of 10.00 in y. [34.15, -101.98], 10.1 E SETH WARD [04/15/10 04:30 CST 04/17/10 02:00 CST at Texas during the early morning hours ainview. [34.55, -100.70] 04/15/10 04:30 CST	s of the 15th. By the nty.	s. No serious dama 0 0 e time rainfall subsi 0 0 e time rainfall subsi Many unofficial re 0 0 0 e time rainfall had s	age or injuries were reported. Heavy Rain Source: Mesonet ded early on the 17th, 48-hour rainfall Heavy Rain Source: Mesonet ded early on the 17th, rainfall totals ports of 6-8 inches of rain were received Heavy Rain Source: Mesonet ubsided early on the 17th, 3.71 inches Heavy Rain
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CHILDRESS COUNTY 1.6 W CHILD Heavy rainfall began over much of wes totals of 5 to 6 inches were measured of FLOYD COUNTY 0.5 W FLOYDADA Heavy rainfall began over much of wes ranged from 4.78 inches at Floydada to from residents in northern Floyd County HALE COUNTY 2.7 SW HALFWAY Heavy rainfall began over much of wes of rainfall was officially measured at Pla HALL COUNTY 4.8 NNE TAMPICO	where the scenic route winds through s RESS [34.42, -100.23] 04/15/10 04:30 CST 04/17/10 02:00 CST at Texas during the early morning hours over portions of western Childress Cou (33.98, -101.34] 04/15/10 04:30 CST 04/17/10 02:00 CST at Texas during the early morning hours 04/17/10 02:00 CST at Texas during the early morning hours 0 an unofficial measurement of 10.00 in y. [34.15, -101.98], 10.1 E SETH WARD [04/15/10 04:30 CST 04/17/10 02:00 CST at Texas during the early morning hours ainview. [34.55, -100.70] 04/15/10 04:30 CST	s of the 15th. By the s of the 15th. By the notes at Cedar Hill. 34.22, -101.50] s of the 15th. By the s of the 15th. By the	s. No serious dama 0 0 e time rainfall subsi 0 0 e time rainfall subsi Many unofficial re 0 0 0 e time rainfall had s 0 0 0 e time rainfall had s	Age or injuries were reported. Heavy Rain Source: Mesonet ded early on the 17th, 48-hour rainfall Heavy Rain Source: Mesonet ded early on the 17th, rainfall totals ports of 6-8 inches of rain were received Heavy Rain Source: Mesonet source: Mesonet Heavy Rain Source: Mesonet ded early on the 17th, 3.71 inches
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CHILDRESS COUNTY 1.6 W CHILD Heavy rainfall began over much of wes totals of 5 to 6 inches were measured of FLOYD COUNTY 0.5 W FLOYDADA Heavy rainfall began over much of wes ranged from 4.78 inches at Floydada to from residents in northern Floyd County HALE COUNTY 2.7 SW HALFWAY Heavy rainfall began over much of wes of rainfall was officially measured at Pla HALL COUNTY 4.8 NNE TAMPICO Heavy rainfall began over much of wes rainfall totals between 6 and 8 inches v	where the scenic route winds through s RESS [34.42, -100.23] 04/15/10 04:30 CST 04/17/10 02:00 CST at Texas during the early morning hours over portions of western Childress Cou (33.98, -101.34] 04/15/10 04:30 CST 04/17/10 02:00 CST at Texas during the early morning hours o an unofficial measurement of 10.00 in y. [34.15, -101.98], 10.1 E SETH WARD [04/15/10 04:30 CST 04/17/10 02:00 CST at Texas during the early morning hours ainview. [34.55, -100.70] 04/15/10 04:30 CST 04/15/10 04:30 CST 04/17/10 02:00 CST at Texas during the early morning hours ainview. [34.55, -100.70] 04/15/10 04:30 CST 04/17/10 02:00 CST at Texas during the early morning hours other to by an automated fire we	s of the 15th. By the nty. s of the 15th. By the nches at Cedar Hill. 34.22, -101.50] s of the 15th. By the s of the 15th. By the	s. No serious dama 0 0 0 e time rainfall subsi 0 0 e time rainfall subsi Many unofficial re 0 0 0 e time rainfall had s 0 0 0 e time rainfall subsi stem in western Ha	Age or injuries were reported. Heavy Rain Source: Mesonet ded early on the 17th, 48-hour rainfall Heavy Rain Source: Mesonet ded early on the 17th, rainfall totals ports of 6-8 inches of rain were received Heavy Rain Source: Mesonet source: Mesonet Heavy Rain Source: Mesonet ded early on the 17th, 3.71 inches

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
leavy rainfall began over much of west Tex otal of 4.02 inches of rain had officially falle ne collapse of a business near the intersect tructure's flat-roof. No injuries were reporte	n at Lubbock's Preston Smith Inte tion of 13th Street and University	ernational Airport, wi	th 5.32 inches at S	laton. The record rainfall contributed to
MOTLEY COUNTY 3.0 SW MATADOR [3		4.23, -101.02]		
	04/15/10 04:30 CST		0	Heavy Rain
	04/17/10 02:00 CST		0	Source: Mesonet
leavy rainfall began over much of west Tex nofficial totals were measured over portion		-	time rainfall subsi	ded early on the 17th, up to 7 inch
CHILDRESS COUNTY 6.3 N CAREY [34.	.56, -100.31], 4.0 SW CHILDRESS	6 [34.38, -100.25], 1	7 WNW KIRKLAN	D [34.39, -100.10], 3.6 NW GARDEN
/LY [34.56, -100.08]	04/16/10 12:00 CST		25K	Flood (due to Heavy Rain)
	04/18/10 05:00 CST		0	Source: Newspaper
			·	
leavy rainfall centered over western Hall Co vater flooded low lying farmland, ranch land		-		Fown Fork of the Red River. The high
LOYD COUNTY 4.7 N MC COY [33.94, -	-101.42], 3.3 S SOUTH PLAINS [3	34.17, -101.31], 8.9 I	SOUTH PLAINS	[34.21, -101.16], 4.2 SE FLOYDADA
MUNI ARPT [33.94, -101.27]	04/16/10 12:00 CST		25K	Flood (due to Heavy Rain)
	04/18/10 05:00 CST		0	Source: Newspaper
	la also flooded, and several struct			
HALE COUNTY 2.9 N HALE CENTER [34	4.11, -101.84], 4.8 WNW FINNEY 04/16/10 12:00 CST		6 E SETH WARD (75K	Flood (due to Heavy Rain)
IALE COUNTY 2.9 N HALE CENTER [34	4.11, -101.84], 4.8 WNW FINNEY		6 E SETH WARD [-
HALE COUNTY 2.9 N HALE CENTER [34 [34.13, -101.56] Low lying areas in and around Plainview we	4.11, -101.84], 4.8 WNW FINNEY 04/16/10 12:00 CST 04/18/10 05:00 CST ere flooded by heavy rains. Flood	[34.30, -101.80], 10.	6 E SETH WARD (75K 0	Flood (due to Heavy Rain) Source: Newspaper
HALE COUNTY 2.9 N HALE CENTER [34 [34.13, -101.56] Low lying areas in and around Plainview we nowever, only minor damages were reported HALL COUNTY 3.4 SSE LESLEY [34.62,	4.11, -101.84], 4.8 WNW FINNEY 04/16/10 12:00 CST 04/18/10 05:00 CST ere flooded by heavy rains. Flood d.	[34.30, -101.80], 10. waters threated the	6 E SETH WARD (75K 0 Ace Hardware sto	Flood (due to Heavy Rain) Source: Newspaper re and several other structures,
HALE COUNTY 2.9 N HALE CENTER [34 34.13, -101.56] Low lying areas in and around Plainview we however, only minor damages were reported HALL COUNTY 3.4 SSE LESLEY [34.62,	4.11, -101.84], 4.8 WNW FINNEY 04/16/10 12:00 CST 04/18/10 05:00 CST ere flooded by heavy rains. Flood d.	[34.30, -101.80], 10. waters threated the	6 E SETH WARD (75K 0 Ace Hardware sto	Flood (due to Heavy Rain) Source: Newspaper re and several other structures,
HALE COUNTY 2.9 N HALE CENTER [34 34.13, -101.56] Low lying areas in and around Plainview we however, only minor damages were reported HALL COUNTY 3.4 SSE LESLEY [34.62,	4.11, -101.84], 4.8 WNW FINNEY 04/16/10 12:00 CST 04/18/10 05:00 CST ere flooded by heavy rains. Flood d.	[34.30, -101.80], 10. waters threated the	6 E SETH WARD (75K 0 Ace Hardware sto NW HULVER [34.6	Flood (due to Heavy Rain) Source: Newspaper re and several other structures, 16, -100.56], 4.7 E PLASKA [34.61,
HALE COUNTY 2.9 N HALE CENTER [34 [34.13, -101.56] Low lying areas in and around Plainview we however, only minor damages were reported HALL COUNTY 3.4 SSE LESLEY [34.62, -100.55] Heavy rainfall centered over western Hall Co low lying farmland, ranch land, and several to	4.11, -101.84], 4.8 WNW FINNEY 04/16/10 12:00 CST 04/18/10 05:00 CST ere flooded by heavy rains. Flood d. , -100.79], 4.7 WNW TAMPICO [34 04/16/10 12:00 CST 04/18/10 05:00 CST 04/18/10 05:00 CST ounty resulted in significant floodii roadways. No significant damage	[34.30, -101.80], 10. waters threated the 4.52, -100.80], 3.2 N ng along the Prairie was reported.	6 E SETH WARD (75K 0 Ace Hardware sto NW HULVER [34.5 25K 0 Dog Town Fork of	Flood (due to Heavy Rain) Source: Newspaper re and several other structures, 66, -100.56], 4.7 E PLASKA [34.61, Flood (due to Heavy Rain) Source: Newspaper the Red River. The high water flooded
HALE COUNTY 2.9 N HALE CENTER [34 [34.13, -101.56] Low lying areas in and around Plainview we however, only minor damages were reported HALL COUNTY 3.4 SSE LESLEY [34.62, -100.55] Heavy rainfall centered over western Hall Co low lying farmland, ranch land, and several to LUBBOCK COUNTY 2.8 NW LUBBOCK	4.11, -101.84], 4.8 WNW FINNEY 04/16/10 12:00 CST 04/18/10 05:00 CST ere flooded by heavy rains. Flood d. , -100.79], 4.7 WNW TAMPICO [34 04/16/10 12:00 CST 04/18/10 05:00 CST 04/18/10 05:00 CST ounty resulted in significant floodii roadways. No significant damage	[34.30, -101.80], 10. waters threated the 4.52, -100.80], 3.2 N ng along the Prairie was reported.	6 E SETH WARD (75K 0 Ace Hardware sto NW HULVER [34.5 25K 0 Dog Town Fork of	Flood (due to Heavy Rain) Source: Newspaper re and several other structures, 66, -100.56], 4.7 E PLASKA [34.61, Flood (due to Heavy Rain) Source: Newspaper the Red River. The high water flooded
HALE COUNTY 2.9 N HALE CENTER [34 14.13, -101.56] ow lying areas in and around Plainview we however, only minor damages were reported 14.11 COUNTY 3.4 SSE LESLEY [34.62, 100.55] Heavy rainfall centered over western Hall County is parallel centered over weste	4.11, -101.84], 4.8 WNW FINNEY 04/16/10 12:00 CST 04/18/10 05:00 CST ere flooded by heavy rains. Flood d. , -100.79], 4.7 WNW TAMPICO [34 04/16/10 12:00 CST 04/18/10 05:00 CST 04/18/10 05:00 CST ounty resulted in significant floodii roadways. No significant damage	[34.30, -101.80], 10. waters threated the 4.52, -100.80], 3.2 N ng along the Prairie was reported.	6 E SETH WARD (75K 0 Ace Hardware sto NW HULVER [34.5 25K 0 Dog Town Fork of	Flood (due to Heavy Rain) Source: Newspaper re and several other structures, 66, -100.56], 4.7 E PLASKA [34.61, Flood (due to Heavy Rain) Source: Newspaper the Red River. The high water flooded
IALE COUNTY 2.9 N HALE CENTER [34 IALE COUNTY 2.9 N HALE CENTER [34 IALE COUNTY 2.9 N HALE CENTER [34 Iow lying areas in and around Plainview we lowever, only minor damages were reported IALL COUNTY 3.4 SSE LESLEY [34.62, 100.55] Heavy rainfall centered over western Hall County in the second over western Hall County in the second over the	4.11, -101.84], 4.8 WNW FINNEY 04/16/10 12:00 CST 04/18/10 05:00 CST are flooded by heavy rains. Flood d. , -100.79], 4.7 WNW TAMPICO [34 04/16/10 12:00 CST 04/18/10 05:00 CST 04/18/10 05:00 CST ounty resulted in significant floodi roadways. No significant damage [33.60, -101.89], 1.8 SE DOUD [3	[34.30, -101.80], 10. waters threated the 4.52, -100.80], 3.2 N ng along the Prairie was reported.	6 E SETH WARD (75K 0 Ace Hardware sto NW HULVER [34.5 25K 0 Dog Town Fork of W POSEY [33.50,	Flood (due to Heavy Rain) Source: Newspaper re and several other structures, 66, -100.56], 4.7 E PLASKA [34.61, Flood (due to Heavy Rain) Source: Newspaper the Red River. The high water flooded -101.71], 2.8 SSW ACUFF [33.57,
HALE COUNTY 2.9 N HALE CENTER [34 [34.13, -101.56] Low lying areas in and around Plainview we however, only minor damages were reported HALL COUNTY 3.4 SSE LESLEY [34.62, -100.55] Heavy rainfall centered over western Hall Co low lying farmland, ranch land, and several in LUBBOCK COUNTY 2.8 NW LUBBOCK -101.64] Flooding from heavy rainfall resulted in the of the flood waters. A number of roadways we	4.11, -101.84], 4.8 WNW FINNEY 04/16/10 12:00 CST 04/18/10 05:00 CST ere flooded by heavy rains. Flood d. -100.79], 4.7 WNW TAMPICO [34 04/16/10 12:00 CST 04/18/10 05:00 CST ounty resulted in significant floodii roadways. No significant damage [33.60, -101.89], 1.8 SE DOUD [3 04/16/10 12:00 CST 04/18/10 05:00 CST 04/18/10 05:00 CST closure of numerous roadways in ere flooded in the Ransom Canyor	[34.30, -101.80], 10. waters threated the 4.52, -100.80], 3.2 N ng along the Prairie e was reported. 3.56, -101.90], 1.3 N the Lubbock area. n and Buffalo Spring	6 E SETH WARD [75K 0 Ace Hardware sto NW HULVER [34.5 25K 0 Dog Town Fork of W POSEY [33.50, 0.15M 0	Flood (due to Heavy Rain) Source: Newspaper re and several other structures, 66, -100.56], 4.7 E PLASKA [34.61, Flood (due to Heavy Rain) Source: Newspaper the Red River. The high water flooded -101.71], 2.8 SSW ACUFF [33.57, Flood (due to Heavy Rain) Source: NWS Storm Survey Idiana Avenue were washed away by
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the west Texas Permian Basin, South Plains, and the Panhandle early on the 15th. Rainfall was continuous at many locations through the

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

morning hours of the 17th. Small scale circulations embedded within the ambient flow aloft, however, enhanced the rainfall at times and resulted in periods of heavy rain.

Daily record rainfall totals were measured at Lubbock's Preston Smith International Airport on the 15th and 16th. The tally also set a single-rain event record for the area and jump started Lubbock toward its wettest year-to-date rainfall total in the city's history.

Doppler radar estimates indicated that the heaviest rainfall totals occurred along a swath northeast of Lubbock, over portions of Briscoe, Floyd, and Hall Counties, where upwards of eight to ten inches were estimated over rural areas. A maximum radar estimate of nearly one foot of rain was indicated near Caprock Canyons State Park in eastern Briscoe County and western Hall County. Ground truth measurements unofficially reached ten inches in adjacent areas of northern Floyd County, with five to seven inch totals more common.

The heavy and persistent rainfall resulted in flooding, mostly in the form of swollen playa lakes, creeks, and streams. Some of the most significant flooding occurred along the Prairie Dog Town Fork of the Red River, where runoff from the Briscoe and Hall County rains flowed downstream over portions of Childress County. Notable flooding also occurred along the North Double Mountain Fork of the Brazos where runoff from urban areas around Lubbock caused overflow of Buffalo Springs Lake in eastern Lubbock County. The flow downstream cut off a number of roads and isolated several homesteads. Structural damage was largely limited to the collapse of a flat roof on a Lubbock business that resulted in the partial collapse of the building.

At least one motorist was rescued from a stranded vehicle in Floyd County, but no injuries were reported. Total damages that resulted from the excessive rainfall and flooding across the South Plains were estimated at \$475,000.



Flooding inundated roadways along the North Double Mountain Fork of the Brazos River near Buffalo Springs Lake. Photo courtesy: John Lipe - National Weather Service - Lubbock, Texas.

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	04/21/10 17:10 CST		0	Hail (1.75 in)
	04/21/10 17:20 CST		0	Source: Public

Multiple public reports of golfball size hail were received along a swath northwest of Petersburg. This hail accompanied an isolated supercell storm that developed along a pre-existing outflow boundary. No damages were reported.

FLOYD COUNTY 5.0 S FLOYDADA [33.91, -101.33], 14.0 ENE SOUTH PLAINS [34.30, -101.09]				
04/21/10 17:12 CST	0	Hail (1.75 in)		
04/21/10 18:21 CST	0	Source: Fire Department/Rescue		

A swath of large hail that ranged in size from quarters to baseballs accompanied a left moving (anticyclonic) supercell as it tracked north-northeastward over Floyd County during the 17:00 CST and 18:00 CST hours of the 21st. Storm chasers initially reported quarter size hail five miles south of Floydada along Texas Highway 207 at 17:12 CST. Hailfall increased to the size of golfballs as reported by the public just east of Cedar Hill at 17:52 CST. Golfball size hail along Farm to Market Road 1065 east of South Plains briefly increased to the size of baseballs before ending at 18:27 CST. No damages were reported.

FLOYD COUNTY 14.8 E SOUTH PLAINS [34.24, -101.06]					
04/21/10 18:27 CST	1K	Hail (2.75 in)			
04/21/10 18:27 CST	0	Source: Fire Department/Rescue			

Multiple reports of very large hail up to the size of baseballs were received along Farm to Market Road 1065 east of South Plains at 18:21 CST. Several car windsheilds were reportedly broken by the hail.

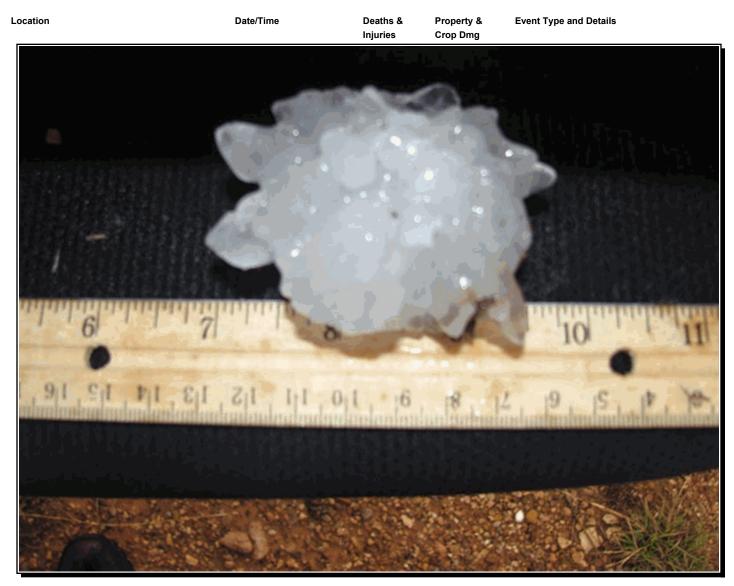
DICKENS COUNTY 11.0 E AFTON [33.75, -100.61]				
04/21/10 19:30 CST	0	Hail (2.50 in)		
04/21/10 19:30 CST	0	Source: Storm Chaser		

Storm chasers reported very large tennis ball size hail along Farm to Market Road 193 in northeastern Dickens County. The hail was associated with a persistent supercell thunderstorm that developed near Dickens and moved northeastward over rural portions of Dickens County for nearly two hours. No damages were reported.

CHILDRESS COUNTY 1.0 NW CAREY [34.48, -100.33]				
04/21/10 20:21 C	ST 0)	Hail (1.50 in)	
04/21/10 20:21 C	ST 0)	Source: Trained Spotter	

Skywarn storm spotters reported ping pong ball size hail along U.S. Highway 287 near Carey.

Isolated to scattered severe thunderstorms impacted portions of the eastern South Plains, Rolling Plains, and the extreme southeastern Texas Panhandle during the late afternoon and evening of the 21st. Thunderstorms developed along a stalled frontal boundary and a dryline. Several of the thunderstorms evolved into supercells and produced very large hail up to the size of baseballs. The most prolific hail producing storm of the day impacted portions of Floyd County. No significant damages were reported from the storms.



Baseball size hail fell over portions of northern Floyd County shortly before 18:30 CST. Photo courtesy: Kiel Ortega - National Severe Storms Laboratory.

HALE COUNTY 5.0 ESE PLAINVIE	W [34.17, -101.62]			
	04/22/10 17:45 CST	0	Hail (1.25 in)	
	04/22/10 17:45 CST	0	Source: Trained Spotter	
Skywarn storm spotters reported half c	dollar size hail along U.S. Highway 70 southeast	of Plainview.		
GARZA COUNTY 1.0 N POST [33.1	9, -101.38]			
	04/22/10 17:48 CST	0	Hail (0.88 in)	
	04/22/10 17:48 CST	0	Source: Trained Spotter	
Skywarn storm spotters reported nicke	el size hail just north of Post.			
CROSBY COUNTY 4.0 E CROSBY	TON [33.67, -101.18]			
	04/22/10 18:01 CST	50K	Thunderstorm Wind (EG 52 kt)	
	04/22/10 18:01 CST	0	Source: Trained Spotter	
Trained storm spotters reported that da Highway 82 east of Crosbyton.	amaging thunderstorm winds flipped a cotton tra	iler and destroyed a barn	near the Silver Falls Roadside Park on U.S.	
FLOYD COUNTY 2.0 S SOUTH PLA	AINS [34.19, -101.32]			
	04/22/10 18:10 CST	10K	Hail (1.00 in)	
	04/22/10 18:15 CST	0	Source: Public	

	Storm Data and Unusual Weather Phenomena - April 2010				
Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details	

A motorist reported that penny to quarter size hail damaged her vehicle along Texas Highway 207 just south of South Plains.

MOTLEY COUNTY 9.5 SSW NORTHFIELD [34.15, -100.66], 8.3 SSE NORTHFIELD [34.18, -100.52]				
04/22/10 18:20 CST	0.10M	Tornado (EF2, L: 7.50 mi , W: 1300 yd)		
04/22/10 18:42 CST	0	Source: Storm Chaser		

Multiple storm chasers observed a large and rain-wrapped tornado that moved east-northeastward across the Motley and Cottle County line south-southeast of Northfield and southwest of Cee Vee during the 18:00 CST hour on the 22nd.

Doppler radar, along with post-storm ground and aerial surveys, suggest that the tornado developed at approximately 18:20 CST 9 miles south-southwest of Northfield, just east of Farm to Market Road 94. Storm chasers first obtained a visual confirmation of the tornado at 18:37 CST as it partially emerged from obscuring rain curtains. Photographs show a very large wedge-shaped tornado, with only the southern portion of the vortex visible through the wrapping precipitation.

The tornado's track across northeastern Motley County remained over uninhabited ranch land. A National Weather Service cooperative observer, however, reported a loud roar as the tornado passed south of her home south of Northfield. Surveys of adjacent ranch land, conducted by private land owners as well as National Weather Service and Texas Tech University West Texas Mesonet meteorologists, revealed that the tornado destroyed four windmills, severely damaged mesquite trees, and snapped at least a half dozen wooden utility poles. The damage path was measured to be three-quarters of a mile wide.

The tornado again became totally obscured by rain and hail within the parent high precipitation supercell storm before it crossed the Motley and Cottle County line approximately 8.25 miles south-southeast of Northfield at 18:42 CST. It likely dissipated just a few minutes later at approximately 18:45 CST southwest of Cee Vee in northwestern Motley County.

The total path length of the tornado across portions of Motley and Cottle Counties was approximately 9 miles, with a 25-minute duration. Enhanced-Fujita Scale damage indicators for both free-standing metal towers and metal electrical transmission line poles were considered to gauge expected wind speeds for the destroyed windmills. The lower bounds for degrees of damage 2 and 5 respectively were accepted, yielding estimated wind speeds between 110 and 115 mph. Winds of at least this magnitude are additionally supported by the expected value for snapped wooden utility poles, which were additionally observed along the damage path. Therefore an EF-2 rating was assigned for this tornado.

MOTLEY COUNTY NORTHFIELD [34.28, -100.60]				
04/22/10 18:22 CST	0	Hail (1.75 in)		
04/22/10 18:25 CST	0	Source: COOP Observer		

A National Weather Service cooperative observer reported golfball size hail that intermittently mixed with larger two inch-diameter hailstones at Northfield. No damages were reported.

MOTLEY COUNTY NORTHFIELD [34.28, -100.60]			
04/22/10 18:24 CST	0	Hail (2.00 in)	
04/22/10 18:24 CST	0	Source: COOP Observer	

A National Weather Service cooperative observer reported that very large tennis ball hailstones intermittently mixed with more numerous golfball size hail at Northfield. No damages were reported.

	04/22/10 18:37 CST	0	Hail (1.75 in)
	04/22/10 18:41 CST	0	Source: Emergency Manager
ocal emergency management o	ficials reported golfball to baseball size hail northeast	of Post.	
ocal emergency management o	ficials reported golfball to baseball size hail northeast	of Post.	
ocal emergency management o		of Post.	
		of Post.	Hail (2.75 in)

COTTLE COUNTY 4.8 WSW CEE VEE [34.18, -100.52], 3.5 SW CEE VEE [34.19, -100.50]			
04/22/10 18:42 CST	0	Tornado (EF2, L: 1.50 mi , W: 1300 yd)	
04/22/10 18:45 CST	0	Source: Storm Chaser	

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

Multiple storm chasers observed a large and rain-wrapped tornado that moved east-northeastward across the Motley and Cottle County line south-southeast of Northfield and southwest of Cee Vee during the 18:00 CST hour on the 22nd.

Doppler radar, along with post-storm ground and aerial surveys, suggest that the tornado developed at approximately 18:20 CST south-southwest of Northfield in Motley County. Storm chasers first obtained a visual confirmation of the tornado at 18:37 CST as it partially emerged from obscuring rain curtains, while still in rural areas of northeastern Motley County. Photographs from that time show a very large wedge-shaped tornado.

The tornado's maximum intensity, per post storm surveys by private land owners and meteorologists from the National Weather Service and Texas Tech University West Texas Mesonet, occurred in northeastern Motley County where four windmills were destroyed, mesquite trees were severely damaged, and where a number of wooden utility poles were snapped. The damage path was measured to be three-quarters of a mile wide near the Motley and Cottle County line.

The tornado again became totally obscured by rain and hail within the parent high precipitation supercell storm before it crossed the Motley and Cottle County line approximately 4.8 miles west-southwest of Cee Vee at 18:42 CST. Doppler radar velocity data shows subtle evidence that a mesocyclone occlusion may have occurred, and that the tornado likely dissipated just a few minutes later at approximately 18:45 CST 3.5 miles southwest of Cee Vee. A second tornado, however, quickly developed in a cyclic fashion just southeast of the initial tornado as a new mesocyclone became dominant.

The total path length of the tornado across portions of Motley and Cottle Counties was approximately 9 miles, with a 25-minute duration. Enhanced-Fujita Scale damage indicators for both free-standing metal towers and metal electrical transmission line poles were considered to gauge expected wind speeds for the destroyed windmills observed in northeastern Motley County. The lower bounds for degrees of damage 2 and 5 respectively were accepted, yielding estimated wind speeds between 110 and 115 mph. Winds of at least this magnitude are additionally supported by the expected value for snapped wooden utility poles, which were additionally observed along the damage path. Therefore an EF-2 rating was assigned for this tornado.

COTTLE COUNTY 5.0 SW CEE VEE [34.17, -100.51], 7.5 ENE CEE VEE [34.26, -100.33]			
04/22/10 18:46 CST	0.30M	Tornado (EF3, L: 12.25 mi , W: 975 yd)	
04/22/10 19:20 CST	0	Source: NWS Storm Survey	

A large and rain wrapped tornado tracked from southwest of Cee Vee to just west of U.S. Highway 62/83 east-northeast of Cee Vee between 18:46 and 19:20 CST. A storm spotter observed the tornado as it passed southeast of Cee Vee at approximately 19:05 CST, and described it visually as a large wedge-shaped vortex. A post-storm ground and aerial survey conducted by local emergency management officials and National Weather Service meteorologists concluded that the tornado resulted in significant EF-3 damage.

A number light weight objects and structures, including well-houses, horse stables, utility poles, empty semi-truck trailers, and a partially filled petroleum tank were heavily damaged or destroyed along the initial portions of the tornado's track through ranchland southwest and south of Cee Vee. This includes minor roof damage to a permanent farm home near County Road 172.

Significant damage first occurred at a farmstead 3 miles east-southeast of Cee Vee, south of Farm to Market Road 1440. At this site, upwards of twenty-percent of the roof was removed from a well-built permanent home. A large metal building was partially collapsed and a well-house was completely destroyed. A horse trailer was blown over and rolled. In addition, several large trees were uprooted.

The tornado continued to move northeastward and impacted a second farmstead four miles east of Cee Vee, just south of Farm to Market Road 1440. The tornado's maximum damage intensity was observed at this site, where a well-built stucco constructed permanant home, a cinderblock two-car garage, and several outbuildings were destroyed. The home's roof was totally removed, and three exterior walls collapsed. A portion of the home's roof and exterior walls were blown downwind and struck the two-car cinderblock garage broadside. This contributed to the complete destruction of that structure with only the frames of two exterior walls remaining. Two outbuildings and a horse stable were completely destroyed, with another unroofed. In addition, an entire stand of more than a dozen large trees were uprooted. A detailed survey by local officials of the site, revealed that the home was well-built, and that the exterior walls were secured to the slab foundation with bolts.

In collaboration with experts at Texas Tech University's Wind Engineering Department, the developers of the Enhanced-Fujita Scale, it was determined that estimated wind speeds at the site of the destroyed residence ranged between 130 and 150 mph. With an average expected wind speed of 140 mph, the tornado was assigned an EF-3 rating based on this damage.

The tornado continued northeastward across Farm to Market Road 1440. It caused light roof damage to a couple of light weight structures before dissipating just west of U.S. Highway 62/83 east-northeast of Cee Vee at approximately 19:20 CST.

Despite damaging three residences, no injuries were reported.

LYNN COUNTY TAHOKA [33.18, -101.78], 3.8 SSW WILSON [33.27, -101.76]				
04/22/10 19:29 CST	0	Hail (1.00 in)		
04/22/10 19:35 CST	0	Source: Law Enforcement		

Law enforcement officials and National Weather Service cooperative observers reported quarter size hail along a swath from Tahoka northeastward along Farm to Market Road 400 to southwest of Wilson.

ocation	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
CHILDRESS COUNTY 7.0 SSW CHILDRESS	34.33, -100.25]			
-	04/22/10 19:45 CST		0	Hail (1.75 in)
	04/22/10 19:45 CST		0	Source: Fire Department/Rescue
cal fire department officials reported golfball size	e hail along U.S. Highway 62	2/83 on the Childre	ss and Cottle Cour	ty line south of Childress.
OTTLE COUNTY 6.0 NE COLEYVILLE [34.28				
	04/22/10 19:45 CST		0	Hail (1.75 in)
	04/22/10 19:45 CST		0	Source: Fire Department/Rescue
ocal fire department officials reported golfball size	e hail along U.S. Highway 62	2/83 on the Childre	ss and Cottle Cour	ty line south of Childress.
OTTLE COUNTY 4.0 W SWEARINGEN [34.15	•	GEN [34.19, -100.1	-	
	04/22/10 20:05 CST		0	Tornado (EF0, L: 5.00 mi , W: 150 yd)
	04/22/10 20:12 CST		0	Source: Storm Chaser
Inst-storm surveys by National Weather Service r upled with Doppler radar presentations of the pa rNN COUNTY 8.0 W TAHOKA [33.18, -101.92]	arent supercell lend credibilit	y to the presence of		ever, the number of eyewitness reports
······································	04/22/10 20:20 CST		0	Hail (1.00 in)
	04/22/10 20:20 CST		0	Source: Trained Spotter
NN COUNTY 2.9 ESE NEW HOME ARPT [33 WILSON [33.29, -101.73]	3.28, -101.88], 3.3 SW TAHO 04/22/10 20:56 CST	KA T BAR ARPT	33.15, -101.86], 2. 9	9 SSE NEW LYNN [33.16, -101.66], 2.1 Flood (due to Heavy Rain)
onus minfall from training thus do storme moulton	04/23/10 00:00 CST		0	Source: Emergency Manager
Heavy rainfall from training thunderstorms resulted emergency management officials initially reported small section of the highway had to be closed until wollen playa lakes inundated parts of U.S. Highw GARZA COUNTY SOUTHLAND [33.35, -101.55	d in flooding that persisted fo that ponding of high water re approximitly 23:00 CST. A ay 87 north of Tahoka and L	endered a U.S. Hig post-storm survey	portions of central a hway 87 underpas by a National Wea	and northeastern Lynn County. Local s impassable just before 21:00 CST. A ther Service hydrologist revealed that
emergency management officials initially reported imall section of the highway had to be closed until iwollen playa lakes inundated parts of U.S. Highw GARZA COUNTY SOUTHLAND [33.35, -101.55	d in flooding that persisted fo that ponding of high water re approximitly 23:00 CST. A ay 87 north of Tahoka and L 04/22/10 21:07 CST 04/22/10 21:07 CST	endered a U.S. Hig post-storm survey J.S. Highway 380 e	portions of central a hway 87 underpas by a National Wea east of Tahoka. No 0	and northeastern Lynn County. Local s impassable just before 21:00 CST. A ther Service hydrologist revealed that o damage was reported. Hail (1.00 in)
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A linear complex of severe thunderstorms resulted in significant wind damage at a homestead north of Paducah along U.S. Highway 62/83 shortly before 23:00 CST. Local emergecy management officials reported that thunderstorm winds caused heavy roof and window damage to a permanent home. A number of large trees were blown down and five utility poles were snapped by the winds. No injuries were reported.

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

Scattered thunderstorms developed over the central and eastern South Plains region of west Texas during the late afternoon and evening hours of the 22nd. These storms resulted in significant severe weather, including strong tornadoes, as they impacted portions of the extreme southeastern Panhandle and the Rolling Plains.

The severe weather over the South Plains of west Texas on the 22nd was part of a larger tornado outbreak that impacted areas from west Texas northward through western Kansas and eastern Colorado.

Thunderstorms initiated over the central South Plains along and east of a dryline late in the day. These storms, some exhibiting supercell characteristics, initially became severe and produced large hail and damaging winds before 18:00 CST. By 18:20 CST, the first of three tornadoes, two of which were long-lived and significant, developed over northeastern Motley County. The parent supercell thunderstorm produced two damaging and rain-wrapped tornadoes over portions of Motley and Cottle Counties. The initial tornado south of Northfield crossed the Motley and Cottle County line southwest of Cee Vee. This three-quarter mile wide EF-2 tornado destroyed windmills and utility poles as it tracked through rural ranchlands. The second tornado heavily damaged or destroyed three farmsteads south and southeast of Cee Vee (Cottle County). Winds were estimated at approximately 140 mph where one home was destroyed east of that community. No injuries were reported.

A second supercell thunderstorm developed south of the initial tornadic storm, and became tornadic near Swearingen (Cottle County) shortly after 21:00 CST.

In addition to tornadoes, numerous reports of large hail up to the size of baseballs were received. Another Cottle County home was heavily damaged by thunderstorm winds just north of Paducah as convection organized into a linear complex late in the evening. Also, training thunderstorms repeatedly moved over the Tahoka area in Lynn County. This resulted in areas of flooding and portions of two U.S. Highways were rendered impassable.

In all, property damages were estimated at \$530,000. No injuries were reported.



Storm chasers photographed a large tornado over northeastern Motley County at 18:27 CST before it evolved into a rain-wrapped wedge-shaped tornado. Photo courtesy: Catherin Temple - University of Oklahoma.

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	04/23/10 11:20 CST		20K	High Wind (MAX 52 kt)
	04/23/10 15:00 CST		0	
(TX-Z031) MOTLEY				
	04/23/10 14:00 CST		10K	Strong Wind (MAX 48 kt)
	04/23/10 15:00 CST		0	

In the wake of a passing storm system that contributed to the severe weather and tornado outbreak on the 22nd, a tight pressure gradient over the South Plains of west Texas resulted in widespread sustained westerly winds between 25 mph and 35 mph during the afternoon hours of the 23rd. By midday, isolated virga showers developed and locally enhanced wind gusts. A few severe wind gusts were observed by the Texas Tech University West Texas Mesonet and the KVII-TV Schoolnet near the virga showers throughout the afternoon. A 55-year old cottonwood tree was blown down onto a house in Matador. The roof of the house sustained minimal damage and the occupant of the home was uninjured. A nearby Texas Tech University West Texas Mesonet site recorded a peak gust of 55 mph. Winds additionally blew tree limbs down into power lines in Plainview (Hale County), and resulted in a power outage that affected 650 households for nearly two hours.

A list of measured severe wind gusts follows: 60 mph at Plains (Yoakum County), 60 mph at Silverton (Briscoe County), 59 mph at Childress (Childress County), 58 mph at Abernathy (Hale County), 58 mph at Slaton (Lubbock County), and 58 mph at Turkey (Hall County).