Storm Data and Unusual Weather Phenomena - September 2010

09/01/10 16:02 CST 20K High Wind (MAX 61 kt) 09/01/10 16:30 CST 0 EAGAN COUNTY 6.3 N STILES [31.49, -101.57] 0 Thunderstorm Wind (EG 52 kt) 09/01/10 18:45 CST 0 Source: Trained Spotter 09/01/10 18:47 CST 0 Source: Trained Spotter trained spotter reported his flag was partially torn by the wind gust. A 6 foot long tree branch was also found broken near State Highway 137. opious amounts of moisture along with sources of lift allowed for severe thunderstorms to develop in west Texas. A surface low primed across the eastern portions of New Mexico and western Texas. This resulted in convergence and instability for storms to	Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Y [2 24], -164 26] Di22/10 16:10 MST DK Flash Flood (due to Heavy Raim) 0 022/10 20 50 MST 0 Source: Trained spotter 4-10 PM MST, a trained weather spotter releved a report of up to 11/2 of water on Mess Street in Cartsbad. A car was also statisfydoed at the terrection of Bloograft and Mesuja Estreets. Flooding continued amout through 0:00 PM MST across Cartsbad. One foot of flowing water was reported to flowing water was reported to the towing over Bloograft and Pate Streets at 8.40 PM MST. DDY COUNTY — 4.9 VSW (CNNICARLSBAD APT [22 23, -104 30], 5.9 VSW (CNNICARLSBAD APT [32 23, -104 30], 5.4 VSW (CNNICARLSBAD APT [32 32, -104 30], 5.2 VSW (CNNICARLSBAD APT [32 32, -104 30], 5.4 VSW (CNNICARLSBAD APT [32 32, -104 30], 5.4 VSW (CNNICARLSBAD APT [32 32, -104 30], 5.4 VSW (CNNICARLSBAD APT [32 32, -104 30], 5.2 VSW (CNNICARLSBAD APT [31 32, -102 24], 2.3 VNW ODESSA ECTOR CO APT [31 32, -102 24], 2.3 VNW ODESSA ECTOR CO APT [31 32, -102 24], 2.0 VSW (20 25 T 0 Trunds (EF) L 0.2 Tri, V: 50 yd) 0001/10 15:16 CST 0 Transd (EF) L 0.2 Tri, V: 50 yd) 0001/10 15:16 CST 0 Transd (EF) L 0.2 Tri, V: 50 yd) 0001/10 15:16 CST 0 Source: Public arg 31 5 PM CST, the public reported a tornado near the end of Pary Avenue in Odessan TX. The tornado (VK) L 0.2 Tri, V: 50 yd) 0001/10 15:16 CST 0 Transd (EF) L 0.2 Tri, V: 50 yd) 0001/10 15:16 CST 0 Source: Public arg 31 5 PM CST, the public reported a tornado near the	EW MEXICO, Southeast				
LY [224], 104.26] D0/22/10 20:50 MST DX SX Flash Flood (due to Heavy Raim) 14:10 PM MST, a trained weather spotter releved a report of up to 11/2 of water on Mesa Steet in Carlsbad. A car was also staffolded at the ferencetion of Bloogett and Mesujie Steet. Flooding control weather was reported to the forwing over Bloogett and Pate Streets at 8.4 D PM MST. DDY COUNTY 4.9 MSW (CNNI)CARLSBAD ARPT [32:24, -104.34], 5.3 WSW (CNNI)CARLSBAD ARPT [32:24, -104.35], 5.4 WSW (CNNI)CARLSBAD ARPT [31:34, -104.35], 5.3 WSW (CNNI)CARLSBAD ARPT [31:34, -104.35], 5.4 WSW (CNNI)CARLSBAD WATER across a region, as an indiversed across Eddy county with 2.5 to 3 feet of flowing water across Dark canyon road and Hidalgo road. This contributed to a high water across are region, as an indiver solution water across are reported in an ear west Texas Trevial months contributed to a high water across are reported in the direct darks and thread solutions resulting in flooding. EXAS, West EXAS, West Cord COUNTY 2.5 WNW ODESSA ECTOR CO ARPT [31:34, -102.42] 0 0 00000000000000000000000000000000					
OB/22/10 16:10 MST SK Flaint Flood (use to Heavy Raim) 0.09/22/10 20:50 MST 0 Source: Trained Spotter 14:10 PM MST, a trained weather spotter relyed a report of up to 11/22 of vater on Meas Street in Cartisbad. A car was also state-diffeded at the terretection of Biodget and Measule Street. Flooding continued almost through 9:00 PM MST across Cartisbad. One foot of flowing water was reported to a flowing over Biodget and Measule Street. Flooding continued almost through 9:00 PM MST across Cartisbad. One foot of flowing water was reported to a flowing water was reported to the water flowing water was reported to a flowing water was reported to water was reported to a flowing water was reported to a flowing water was reported to a flowing water was repore		Y [32.44, -104.26], 0.9 ESE LA HUER	TA [32.44, -104.21],	1.5 ESE CARLSB	AD [32.41, -104.21], 0.9 SSE HAPPY
410 PM MST, a trained weather spotter relayed a report of up to 11/2' of water on Mess Street in Carlsbad. A car was also stalled/hould and Palo Street. Fooding confinued almost through 9:00 PM MST across Carlsbad. Cne foot of flowing water was reported to proving over Biodgett and MessUres Street. Faculation of Street. Faculation of Biodgett and MessUres Biodgett and MessUres Street. Faculation of Biodgett and MessUres Street.	- [,]	09/22/10 16:10 MST		5K	Flash Flood (due to Heavy Rain)
Iteraction of Biodgett and Nesquile Street. Fioloding continued atmost through 9:00 PM MST across Carlsbad. Cne fool of flowing water was reported to a source at the street at 8:40 PM MST. DDY COUNTY 4.9 WSW (CNM)CARLSBAD ARPT [32:29, -104.34], 5.3 WSW (CNM)CARLSBAD ARPT [32:29, -104.35], 5.4 WSW (CNM)CARLSBAD RPT [32:29, -104.36], 5.4 WSW (CNM)CARLSBAD RPT [32:39, -102.27], 5.4 WSW		09/22/10 20:50 MST		0	Source: Trained Spotter
RPT [32:29, -104.35], 5.2 WSW (CNM)CARLSBAD AFPT [32:29, -104.34] OW OW OW OW OW OW OW Source: Trained Spotter Bask Flood (due to Heavy Rain) OW Source: Trained Spotter Source: Trained Spotter Bask Flood (due to Heavy Rain) OW Source: Trained Spotter Source: Trained Spotter Bask Flood (due to Heavy Rain) OW Source: Trained Spotter Source: Trained Spotter Bask Flood (due to Heavy Rain) OW Source: Trained Spotter Source: Trained Spotter Bask Flood (due to Heavy Rain) Source: Trained Spotter Source: Trained Spotter Bask Flood (due to Heavy Rain) Source: Trained Spotter Source: Trained Spotter Bask Flood (due to Heavy Rain) Source: Trained Spotter Source: Trained Spotter EXAS, West OW OW Source: Trained Spotter Source: Trained Spotter CTOR COUNTY 2.5 WNW ODESSA ECTOR CO ARPT [31.93, -102.42] OW OW Source: Trained Spotter CTOR COUNTY 2.5 WNW ODESSA ECTOR CO ARPT [31.93, -102.42] OW OW Source: Trained Spotter CTOR COUNTY 2.5 WNW ODESSA ECTOR CO ARPT [31.93, -102.42] OW OW Source: Trained Spotter CTOR COU	tersection of Blodgett and Mesquite S	Street. Flooding continued almost throu			
09/23/10 05.25 MST 5K Flash Flood (due to Heavy Rain) 09/23/10 07:25 MST 0 Source: Trained Spotter eavy rain occured across Eddy county with 2.5 to 3 feet of flowing water across Dark canyon road and Hidalgo road. This contributed to a high water scie. This contributed to a high water emmants of Tropical Depression Georgetts moved inland from the Guf of California and near west Texas providing moleture across is region, as a midph wold break how Maxic and west Texas. The high moleture content both bud to to rential rains from showers and thunderstorms. This activity moved across the same locations resulting in flooding. EXAS, West CTOR COUNTY 2.5 WNW ODESSA ECTOR CO ARPT [31.93, -102.42], 2.3 WNW ODESSA ECTOR CO ARPT [51.93, -102.42], 090/1/10 15:15 CST 0 Tornado (EFO, L: 0.27 ml, W: 50 yd) 090/1/10 15:15 CST 0 Source: Public care of a tornado near the end of Perry Avenue in Odessa, TX. The tornado only lasted about one minute and there was no donce of any significant damage, altorugdo near the end of Perry Avenue in Odessa, TX. The tornado, and its size, was estimated to be an EFO conding to several public storm reports. X-2046) DAWSON Sign/1/10 16:02 CST 20K High Wind (MAX 61 kt) 090/1/10 18:47 CST 0 Thunderstorm Wind (EG 52 kt) 090/1/10 18:47 CST 0 Ogn/1/10 18:47 CST 0 Ogn/1/10 18:47 CST	EDDY COUNTY 4.9 WSW (CNM)CA	RLSBAD ARPT [32.29, -104.34], 5.3 W	VSW (CNM)CARLS	BAD ARPT [32.29,	-104.35], 5.4 WSW (CNM)CARLSBAD
09/23/10 07:25 MST 0 Source: Trained Spotter eavy rain occured across Eddy county with 2.5 to 3 feet of flowing water across Dark canyon road and Hidalgo road. This contributed to a high water scous. emmants of Tropical Depression Georgette moved intand from the Gulf of California and near west Texas. The high moisture across tere region, as a mid-level shortwave trough moved through southeast New Mexico and west Texas. The high moisture across an ind-level shortwave trough moved through southeast New Mexico and west Texas. The high moisture across are region, as a mid-level shortwave trough moved through southeast New Mexico and west Texas. The high moisture across are region, as a mid-level shortwave trough moved through southeast New Mexico and west Texas. The high moisture across are solved in the other texas. This activity moved across the same locations resulting in flooding. EXAS, West 0 Tormado (EFO, L: 0.27 ml, W: 50 yd) 03010110 15:16 CST 0 Source: Public car 3:15 PM CST, the public reported a tormado near the end of Peny Avenue in Odessa, TX. The tomado only lasted about one minute and there was no ridence of any significant damage, although some pump jacks and dumpsters were shaken about. This tornado, and its size, was estimated to be an EFO coording to several public storm reports. No.00011/10 16:02 CST 20K High Wind (MAX 61 kl) V246) DAWSON 0/3011/10 18:45 CST 0 Thunderstorm Wind (EG 52 kl) 0/302110 16:10 CST 0 Source: Trained Spotter trained spotter reported his flag was partially torm by the wind gust. A 6 foot long tree branch was also found broken near State Highway 137. opilou	ARPT [32.29, -104.35], 5.2 WSW (CNM			EK.	Fleek Fleed (due to Lleeve Dein)
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Storm Data and Unusual Weather Phenomena - September 2010					
Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details	
Significant wind damage was observed	within an area 5 miles southeast of La	mesa. Several pow	ver poles were kno	cked over and damaged, trees were	

uprooted, a large barn and carport were destroyed, and a center pivot irrigation system was flipped over.

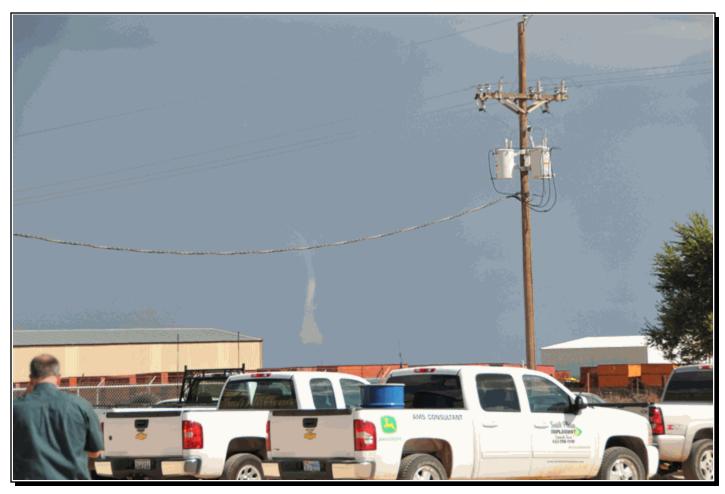
DAWSON COUNTY 4.5 SE LAMESA [32.68, -101.90]				
09/09/10 18:10 CST	0	Hail (1.00 in)		
09/09/10 18:12 CST	0	Source: Public		

An unstable air-mass was in place across the area this day, with hot temperatures and plentiful moisture. A shortwave trough moved through the area initiating thunderstorm development. These storms went on to produce severe hail and damaging wind gusts.

GAINES COUNTY 7.9 ESE SEMINOLE [32.69, -102.52]				
09/15/10 14:23 CST	0	Tornado (EF0, L: 0.10 mi , W: 30 yd)		
09/15/10 14:24 CST	0	Source: Trained Spotter		

A brief land spout was observed southeast of Seminole, TX. It only persisted for a minute or less, and did no damage.

Although very weak upper level winds were present this day, there was enough surface based instability present beneath a slowly moving mid-level shortwave trough to produce isolated thunderstorms across southwest Texas. A very brief landspout was observed near Seminole, TX.



A land spout near Seminole, TX around 3:23 PM CDT. This photo was provided and taken by Robert Barrett.

CULBERSON COUNTY --- 15.3 ENE PINE SPGS [32.00, -104.58], 20.0 ENE PINE SPGS [32.00, -104.49], 18.1 ENE PINE SPGS [31.99, -104.52], 16.2 ENE PINE SPGS [31.99, -104.56]

09/23/10 07:40 CST	0	Flash Flood (due to Heavy Rain / Tropical System)
09/23/10 08:40 CST	0	Source: Trained Spotter

Heavy rain caused flooding in northern Culberson county. This flooding took place 16 miles south of whites City where arroyos and streams were flooded as well as low water crossings.

Storm Data and Unusual Weather Phenomena - September 2010					
Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details	
Remnants of Tropical Depression Georgette moved inland from the Gulf of California and near west Texas providing moisture across the region, as a mid-level shortwave trough moved through southeast New Mexico and west Texas. The high moisture content contributed to torrential rains from showers and thunderstorms. This activity moved across the same locations resulting in flooding.					
MITCHELL COUNTY 9.8 E SP	ADE [32.26, -100.80], 13.5 ESE SPADE [32.2	1, -100.74], 14.6 E	SE SPADE [32.15,	-100.75], 10.6 ESE SPADE [32.20,	
-100.80]	09/25/10 11:30 CST		0	Flash Flood (due to Heavy Rain)	
	09/25/10 12:00 CST		0	Source: Trained Spotter	
Heavy rain fell across Mitchell Co	unty with 18 inches of flowing water across p	ortions of SH 208 s	outh of FM 644.		
MIDLAND COUNTY 1.3 NNE N	/IDLAND [32.02, -102.07], 3.4 N MIDLAND [3	32.05, -102.08], 5.0	WNW MIDLAND [32.03, -102.15], 4.8 N (MAF) MIDLAND	
INTL [32.00, -102.21], 2.5 NNE (N	IAF) MIDLAND INTL [31.96, -102.19]				
	09/25/10 14:23 CST		0	Flash Flood (due to Heavy Rain)	
	09/25/10 15:00 CST		0	Source: Trained Spotter	

Flash flooding was observed by trained spotters in and around the city of Midland, TX. Water was flowing over the curbs at several locations.

A nearly stationary boundary was present over the western portions of the Low Rolling Plains and the eastern portions of the Texas Permian Basin this day. Surface convergence along this boundary combined with a mid-level shortwave trough moving over the area to create lift for showers and thunderstorms to develop. Due to the plentiful moisture across the area and rainfall moving over the same areas, flash flooding was observed.