EA COUNTY — 0.7 N TATUM [33.26, -103.32] O7/17/09 19.15 MST O7/17/09 19.15 MST O7/17/09 19.20 MST O7/17/09 19.20 MST O7/17/09 19.44 MST O7/17/09 19.40 MST OSource: Public EA COUNTY — 1.8 SW TATUM [33.23, -103.34] O7/18/09 20.20 MST O7/20/09 17/00 MST O//20/09 17/00 MST O//20/0	
O7/17/09 19:15 MST 0 Source: Mesonet EA COUNTY 2.7 NW HOBBS [32.73, -103.16] O7/17/09 19:20 MST 0 Thunderstorm Wind (EG 52 kt) O7/17/09 19:44 MST 0 Thunderstorm Wind (EG 52 kt) O7/17/09 19:49 MST 0 Source: Public EA COUNTY 1.8 SW TATUM [33.23, -103.34] O7/18/09 20:25 MST 0 Thunderstorm Wind (MG 51 kt) O7/18/09 20:25 MST 0 Source: Mesonet Complex of severe storms first developed over eastern NM on this day, and then moved south into southeast NM. This complex of forms formed on the eastern periphery of an upper level ridge west of the region, with support from a mid level shortwave trough. A mindra sectance was also observed the following day. DDY COUNTY 0.9 NW WHITES CITY [32.18, -104.38] O7/29/09 17:00 MST 0 Hall (0.88 in) O7/29/09 17:00 MST 0 Source: Public	
O7/17/09 19:15 MST 0 Source: Mesonet EA COUNTY 2.7 NW HOBBS [32.73, -103.16] O7/17/09 19:20 MST 0 Thunderstorm Wind (EG 52 kt) O7/17/09 19:44 MST 0 Thunderstorm Wind (EG 52 kt) O7/17/09 19:49 MST 0 Source: Public EA COUNTY 1.8 SW TATUM [33.23, -103.34] O7/18/09 20:25 MST 0 Thunderstorm Wind (MG 51 kt) O7/18/09 20:25 MST 0 Source: Mesonet Complex of severe storms first developed over eastern NM on this day, and then moved south into southeast NM. This complex of forms formed on the eastern periphery of an upper level ridge west of the region, with support from a mid level shortwave trough. A mindra sectance was also observed the following day. DDY COUNTY 0.9 NW WHITES CITY [32.18, -104.38] O7/29/09 17:00 MST 0 Hall (0.88 in) O7/29/09 17:00 MST 0 Source: Public	
EA COUNTY — 2.7 NW HOBBS [32.73, -103.16] 0717709 19-20 MST 0 Thunderstorm Wind (EG 52 M.) 0717709 19-20 MST 0 Source: Public Dere was no significant damage reported with this estimated gust. EA COUNTY — 1.8 SW TATUM [33.23, -103.34] 071809 20-25 MST 0 Source: Mesonet 10 Thunderstorm Wind (MG 51 kt) 071809 20-25 MST 0 Source: Mesonet 10 Source: Mesonet 11 Source: Mesonet 11 Source: Mesonet 12 Source: Mesonet 13 Source: Mesonet 14 Source: Mesonet 15 Source: Mesonet 16 Source: Mesonet 17 Source: Mesonet 18 Source: Mesonet	
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07/17/09 19.44 MST 0 Source: Public 07/17/09 19.44 MST 0 Source: Public 07/17/09 19.49 MST 0 Source: Public EA COUNTY 1.8 SW TATUM [33.23, -103.34] 07/18/09 20.20 MST 0 Thunderstorm Wind (MG 51 kt) 07/18/09 20.20 MST 0 Thunderstorm Wind (MG 51 kt) 07/18/09 20.20 MST 0 Source: Mesonet 10 Source: Public 10	
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07/30/09 21:30 MST 8K Thunderstorm Wind (EG 61 kt) 07/30/09 21:35 MST 0 Source: Law Enforcement Multiple power poles were knocked down in Carlsbad, NM. DDY COUNTY 0.9 SE BLACK RIVER [32.19, -104.24] 07/30/09 21:38 MST 25K Thunderstorm Wind (EG 87 kt) 07/30/09 21:39 MST 0 Source: Law Enforcement	
07/30/09 21:35 MST 0 Source: Law Enforcement Multiple power poles were knocked down in Carlsbad, NM. DDY COUNTY 0.9 SE BLACK RIVER [32.19, -104.24] 07/30/09 21:38 MST 25K Thunderstorm Wind (EG 87 kt) 07/30/09 21:39 MST 0 Source: Law Enforcement	
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DDY COUNTY 0.9 SE BLACK RIVER [32.19, -104.24] 07/30/09 21:38 MST 25K Thunderstorm Wind (EG 87 kt) 07/30/09 21:39 MST 0 Source: Law Enforcement	
07/30/09 21:38 MST 25K Thunderstorm Wind (EG 87 kt) 07/30/09 21:39 MST 0 Source: Law Enforcement	
07/30/09 21:39 MST 0 Source: Law Enforcement	
roof was blown off of a home approximately 15 miles south of Carlsbad, NM.	

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EDDY COUNTY --- 1.5 SSW CARLSBAD [32.40, -104.24], 1.2 NE HAPPY VLY [32.43, -104.26], 0.8 S LA HUERTA [32.44, -104.22], 0.7 SE CARLSBAD

[32.41, -104.22]

Deaths &

Property &

Event Type and Details

Date/Time

Location

		Deaths & Injuries	Property & Crop Dmg	Event Type and Details	
	07/30/09 22:05 MST	ju. 100	0 0	Flash Flood (due to Heavy Rain)	
	07/30/09 23:31 MST		0	Source: Law Enforcement	
EA COUNTY 1.1 W JAL [32.12, -103.2	20], 0.7 W JAL [32.12, -103.19], 1.3 S 07/31/09 00:24 MST	SW JAL [32.10, -1	03.19], 1.7 SW JA l	L [32.10, -103.20] Flash Flood (due to Heavy Rain)	
	07/31/09 02:24 MST		0	Source: Law Enforcement	
One intersection in Jal, NM had 2 to 3 fee	et of flowing water over the roadway.				
	Ç				
A cold front located near the Pecos Rive	- ·	_		•	
outhwest Texas. In addition, abnormal	lly high amounts of atmospheric mo	isture lead to hea	vy rainfall for som	le locations.	
TEXAS, West					
EAAS, West					
CURRY COUNTY 2.4 NNE CEMETAR	RY [32.71, -100.86]				
	07/01/09 15:45 CST		0	Thunderstorm Wind (MG 54 kt)	
	07/01/09 15:47 CST		0	Source: Mesonet	
		_			
A couple of strong storms developed du	uring the late afternoon hours, as a w	veak upper level o	disturbance entere	ed the region from the	
north.					
MIDLAND COUNTY MIDLAND [32.00,	-102.08]				
	07/04/09 16:50 CST		0	Hail (1.00 in)	
	07/04/09 16:55 CST		0	Source: Public	
IIDLAND COUNTY 1.4 NNW MIDLAN	D [32.02, -102.09], 1.4 NNW MIDLANI	D [32.02, -102.09],	1.3 NNW MIDLAN	D [32.02, -102.09], 1.3 NNW MIDLAND	
32.02, -102.09]	07/04/00 40:00 CCT		0	Flood (due to Hoovy Dain)	
32.02, -102.09]	07/04/09 18:00 CST		0	Flood (due to Heavy Rain)	
32.02, -102.09]	07/04/09 18:00 CST 07/04/09 19:00 CST		0 0	Flood (due to Heavy Rain) Source: NWS Employee	
[32.02, -102.09] Eight inches of flowing water was observe	07/04/09 19:00 CST	h and A Street.			
Eight inches of flowing water was observe	07/04/09 19:00 CST ed near the intersection of Scarboroug		0	Source: NWS Employee	
Eight inches of flowing water was observe	07/04/09 19:00 CST ed near the intersection of Scarboroug	nospheric moistu	0 re content, resulti	Source: NWS Employee	
Eight inches of flowing water was observe	07/04/09 19:00 CST ed near the intersection of Scarboroug	nospheric moistu	0 re content, resulti	Source: NWS Employee	
Eight inches of flowing water was observe Blow moving scattered showers and thu looding. In addition, there was enough	07/04/09 19:00 CST ed near the intersection of Scarboroug understorms combined with high atm instability and deep layer shear pres	nospheric moistu sent for one storr	0 re content, resulti	Source: NWS Employee	
Eight inches of flowing water was observe Blow moving scattered showers and thu looding. In addition, there was enough	07/04/09 19:00 CST ed near the intersection of Scarboroug understorms combined with high atm instability and deep layer shear pres	nospheric moistu sent for one storr	0 re content, resulti	Source: NWS Employee	
Eight inches of flowing water was observe Slow moving scattered showers and thu looding. In addition, there was enough	07/04/09 19:00 CST ed near the intersection of Scarboroug understorms combined with high atm i instability and deep layer shear pres	nospheric moistu sent for one storr	0 re content, resulti n to produce seve	Source: NWS Employee ng in urbanized flash re hail.	
Eight inches of flowing water was observed slow moving scattered showers and thu looding. In addition, there was enough CULBERSON COUNTY 2.1 NNW (GDF	07/04/09 19:00 CST ed near the intersection of Scarboroug understorms combined with high atm i instability and deep layer shear pres P)GUADALUPE PASS [31.83, -104.81] 07/06/09 18:39 CST 07/06/09 18:44 CST	nospheric moistu sent for one storr	0 re content, resulti n to produce seve 0 0	Source: NWS Employee Ing in urbanized flash re hail. Thunderstorm Wind (MG 58 kt) Source: ASOS	
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Location Date/Time Deaths & Property & **Event Type and Details** Iniuries Crop Dmg Several 16 foot by 3 inch diameter tree branches were snapped off pecan trees. MIDLAND COUNTY --- 6.0 WNW MIDLAND [32.02, -102.18], 3.6 NW MIDLAND [32.03, -102.13], 2.1 WSW MIDLAND [31.99, -102.11], 4.4 NNE (MAF) MIDLAND INTL [31.99, -102.16] 07/17/09 23:38 CST 20K Flash Flood (due to Heavy Rain) 07/18/09 00:30 CST n Source: Trained Spotter There were multiple reports of flash flooding, mainly across western Midland County. Flash flooding was first reported on Loop 250 and the adjacent access roads between Tremont and Holiday Hill Roads at 1138 PM CST, where there was 6 inches of flowing water present. The next location of flooding was reported at the intersection of Andrews Highway and Midland Drive at 1141 PM CST. Cars were also stranded at the intersection of Andrews Highway and Idlewild Road at 1146 PM CST. Finally, substantial flooding was reported by TEXDOT at 1152 PM CST and likely continued for another 30 minutes before the storm weakened. ECTOR COUNTY --- 1.7 SW ODESSA [31.83, -102.39], 2.2 SE ODESSA ECTOR CO ARPT [31.90, -102.35], 3.1 SE ODESSA ECTOR CO ARPT [31.89, -102.34], 1.6 E ODESSA [31.85, -102.34] 07/17/09 23:48 CST 20K Flash Flood (due to Heavy Rain) 07/18/09 00:48 CST n Source: Law Enforcement Law enforcement reported multiple high water rescues do to flash flooding near the intersections of 2nd Street and West County Road, and Wendover and Penbooke Roads at 1148 CST. GLASSCOCK COUNTY --- ST LAWRENCE [31.67, -101.50] 07/18/09 00:25 CST 0 Thunderstorm Wind (MG 56 kt) 07/18/09 00:30 CST 0 Source: ASOS A complex of severe storms first developed over eastern NM during the late evening hours on this day, and then moved south into the Permian Basin of West Texas. This complex of storms formed on the eastern periphery of an upper level ridge west of the region, with support from a mid level shortwave trough. A similar scenario was also observed the following day. MIDLAND COUNTY --- 6.4 WNW MIDLAND [32.04, -102.18], 3.3 ENE (MAF) MIDLAND INTL [31.95, -102.15], 4.7 E MIDLAND [32.00, -102.00], 4.5 N MIDLAND [32.07, -102.07] 07/23/09 05:16 CST 25K Flash Flood (due to Heavy Rain) 07/23/09 09:01 CST n Source: Broadcast Media There were numerous reports of flooding from multiple sources, but most were confirmed by the media. At 515 AM CST, the Midland Police Department reported a few stalled vehicles across the city limits. Three minutes later, a high water rescue was reported at the intersection of Lee and Maple. At 635 AM CST, the media reported flash flooding along the Scharbauer Draw in residential areas. The police department then reported two more cars were submerged in the city of Midland, at 717 AM CST. One foot of flowing water was present near the intersection of Golf Course and Garfield. Finally, at 1001 AM CST, the media still continued to report areas of high water across Midland. ECTOR COUNTY --- 2.2 SW ODESSA [31.83, -102.40], 2.5 ESE ODESSA [31.83, -102.33], 2.5 SE ODESSA ECTOR CO ARPT [31.89, -102.35], 1.8 WNW GREENFIELD ACRES [31.88, -102.43] 07/23/09 07:10 CST 0 Flash Flood (due to Heavy Rain) 07/23/09 09:01 CST 0 Source: Law Enforcement The first flash flood report received for this event was from the Odessa Police Department. At 710 AM CST, several roads were covered in water throughout the city limits. The media reported the water depth was estimated to be 15 to 20 inches deep near the intersection of 36th and Dixie. Finally, at 901 AM CST, another media crew reported many areas across Odessa were flooded with high water. A slow moving upper level disturbance, upslope flow and an extremely moist atmosphere resulted in moderate to heavy rainfall over the cities of Midland and Odessa during the early morning hours. DAWSON COUNTY --- 15.0 NNE LAMESA [32.93, -101.85] 07/27/09 17:26 CST 0 Hail (1.75 in) 0 07/27/09 17:30 CST Source: Law Enforcement CULBERSON COUNTY --- 4.0 NE PINE SPGS [31.92, -104.75]

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0

0

Hail (1.25 in)

Source: Law Enforcement

07/28/09 17:53 CST

07/28/09 17:57 CST

WINKLER COUNTY --- 22.0 NE KERMIT [32.08, -102.81]

O72696 00.14 CST	Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
TOTO COUNTY ODESSA [31.85, -102.27] OT72009 00.27 CST 0 Thunderstorm Wind (MG 53 kt) OT72009 00.27 CST 0 Source: Mesonet OT72009 00.27 CST 0 Thunderstorm Wind (MG 53 kt) OT72009 00.27 CST 0 Thunderstorm Wind (MG 53 kt) OT72009 00.27 CST 0 Thunderstorm Wind (MG 53 kt) OT72009 00.47 CST 0 Thunderstorm Wind (MG 55 kt) OT72009 00.47 CST 0 Thunderstorm Wind (MG 56 kt) OT72009 00.47 CST 0 Thunderstorm Wind (MG 56 kt) OT72009 00.47 CST 0 Thunderstorm Wind (MG 56 kt) OT72009 00.47 CST 0 Thunderstorm Wind (MG 56 kt) OT72009 00.47 CST 0 Thunderstorm Wind (MG 66 kt) OT72009 00.57 CST 0 Thunderstorm Wind (MG 66 kt) OT72009 00.57 CST 0 Thunderstorm Wind (MG 66 kt) OT72009 00.57 CST 0 Thunderstorm Wind (MG 66 kt) OT72009 00.57 CST 0 Thunderstorm Wind (MG 66 kt) OT72009 00.57 CST 0 Thunderstorm Wind (MG 66 kt) OT72009 00.57 CST 0 Thunderstorm Wind (MG 66 kt) OT72009 00.57 CST 0 Thunderstorm Wind (MG 66 kt) OT72009 00.57 CST 0 Thunderstorm Wind (MG 66 kt) OT72009 00.57 CST 0 Thunderstorm Wind (MG 66 kt) OT72009 00.57 CST 0 Source: ASOS OT72009 00.57 CST 0 Thunderstorm Wind (MG 66 kt) OT72009 00.57 CST 0 Thunderstorm Wind (MG 65 kt) OT72009 00.57 CST 0 Source: ASOS OT72009 01.56 CST 0 Source: ASOS OT72009 01.56 CST 0 Source: Palable TOT72009 01.56 CST 0 Thunderstorm Wind (MG 65 kt) OT72000 02.56 CST 0 Source: Palable OT72000 02.56 CST 0 Sourc		07/29/09 00:14 CST		7K	Thunderstorm Wind (EG 65 kt)
CURRY COUNTY 2.4 NNE CEMETARY [32.71, -190.89] 07/29/09 00:25 CST 07/29/09 00:25 CST 07/29/09 00:25 CST 07/29/09 00:25 CST 07/29/09 00:26 CST 0 Source: ASOS CTOR COUNTY ODESSA [31.85, -102.37] 07/29/09 00:26 CST 07/29/09 00:27 CST 07/29/09 00:28 CST 07/29/09 00:29 CST 0 Source: ASOS CTOR COUNTY ODESSA [31.85, -102.37] 07/29/09 00:29 CST 0 Thunderstorm Wind (MG 53 kt) 07/29/09 00:29 CST 0 Source: ASOS CTOR COUNTY ODESSA [31.85, -102.37] 07/29/09 01:30 CST 0 Thunderstorm Wind (MG 53 kt) 07/29/09 01:30 CST 0 Source: ASOS CTOR COUNTY ODESSA [31.85, -102.37] 07/29/09 01:30 CST 0 Source: Public CTOR COUNTY 2.8 SE ODESSA ECTOR CO ARPT [31.90, -102.34], 2.1 ENE ODESSA [31.86, -102.34], 1.4 WSW ODESSA [31.84, -102.29], 1.6 N REEN/TELD ACRES [31.85, -102.44] 07/29/09 01:30 CST 0 Fissh Flood (due to Heavy Rain) 07/29/09 01:30 CST 0 Fissh Flood (due to Heavy Rain) 07/29/09 02:30 CST 0 Thunderstorms cong a frontal boundary draped across the region. ORDEN COUNTY SNYDER WINSTON ARPT [32.70, -100.35] 07/29/09 02:30 CST 0 Thunderstorm Wind (MG 52 kt) 07/29/09 01:30 CST 0 Source: Mesonet CURRY COUNTY SNYDER WINSTON ARPT [32.70, -100.35] 07/39/09 01:05 CST 0 Source: Mesonet Sebortwave trough embedded within northwesterly flow aloft provided sufficient lift and instability for scattered thunderstorms to everlope. CURRY COUNTY 9.0 NE MENTONE [31.79, -103.49], 1.2 S NE MENTONE [31.84, -103.49], 1.79 NNE MENTONE [31.83, -103.49], 1.52 NE MENTONE 1.124, -103.40] 07/39/09 01:230 CST 0 Source: Trained Spotter		07/29/09 00:19 CST		0	Source: Public
O7728090 00.25 CST	rree power poles were knocked down by severe	e wind gusts. In addition, 6-8	inch diameter tree	limbs were snappe	ed.
### CTOR COUNTY — ODESSA [\$1.85, 4102.37] ### CTOR COUNTY — ODESSA	CURRY COUNTY 2.4 NNE CEMETARY [32.7				Thursday Ave. West (MO 50 II)
CTOR COUNTY ODESSA [31.85, -102.37] 0729/09 00-37 CST					· · · · · · · · · · · · · · · · · · ·
O7729/09 00.42 CST 0 Source: ASOS CTOR COUNTY ODESSA [31.85, -102.37] 07729/09 00.42 CST 0 Thunderstorm Wind (MG 58 kt) 07729/09 00.42 CST 0 Thunderstorm Wind (MG 58 kt) 07729/09 00.47 CST 0 Source: ASOS CTOR COUNTY ODESSA [31.85, -102.37] 07729/09 00.57 CST 0 Thunderstorm Wind (MG 61 kt) 07729/09 00.57 CST 0 Source: ASOS IDLAND COUNTY 0.9 NE (MAF) MIDLAND INTL [31.94, -102.19] 07729/09 00.57 CST 0 Thunderstorm Wind (MG 63 kt) 07729/09 00.59 CST 0 Source: ASOS IDLAND COUNTY 0.9 NE (MAF) MIDLAND INTL [31.94, -102.19] 07729/09 00.59 CST 0 Source: ASOS IDLAND COUNTY 0.9 NE (MAF) MIDLAND INTL [31.94, -102.19] 07729/09 00.59 CST 0 Thunderstorm Wind (MG 63 kt) 07729/09 00.59 CST 0 Source: ASOS CTOR COUNTY 0.9 NE (MAF) MIDLAND INTL [31.94, -102.19] 07729/09 01.00 CST 0 Thunderstorm Wind (MG 63 kt) 07729/09 01.00 CST 0 Source: Public The top of a gazebo was blown off at a local residence. CTOR COUNTY 2.8 SE ODESSA ECTOR CO ARPT [31.90, -102.34], 2.1 ENE ODESSA [31.84, -102.34], 1.4 WSW ODESSA [31.84, -102.39], 1.8 N REENFIELD ACRES [31.89, -102.40] 07729/09 01.35 CST 0 Fisish Flood (due to Heavy Rain) 07729/09 02.35 CST 0 Source: Fire Department/Rescue ome roads were impassable due to high water. The duration of this event was estimated due to limited reports. weveral upper level disturbances moving over the northern and central portions of the forecast area produced scattered thunderstorms to go a frontal boundary draped across the region. CURRY COUNTY SNYDER WINSTON ARPT [32.70, -109.95] 07729/09 02.35 CST 0 Thunderstorm Wind (MG 52 kt) 07729/09 02.55 CST 0 Source: Mesonet CURRY COUNTY SNYDER WINSTON ARPT [32.70, -109.95] 07729/09 01.55 CST 0 Thunderstorm Wind (MG 52 kt) 07729/09 01.55 CST 0 Source: Mesonet coverige of the first and instability for scattered thunderstorms to everlop. CURRY COUNTY 9.9 NE MENTONE [31.79, -103.49], 12.8 NME MENTONE [31.88, -103.44], 17.9 NME MENTONE [31.93, -103.46], 15.2 NE MENTONE 11.84, -103.40] 0773009 12.30 CST 0 First First First Firs		07/29/09 00:28 CST		U	Source: Mesonet
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CTOR COUNTY ODESSA [31.85, -102.37] 07/29/09 00.43 CST 07/29/09 00.47 CST 0 Thunderstorm Wind (MG 58 kt) 07/29/09 00.57 CST 07/29/09 01.00 CST 0 Source: ASOS CTOR COUNTY ODESSA [31.85, -102.37] 07/29/09 01.00 CST 0 Thunderstorm Wind (MG 61 kt) 07/29/09 00.57 CST 0 Thunderstorm Wind (MG 63 kt) 07/29/09 00.59 CST 0 Thunderstorm Wind (MG 63 kt) 07/29/09 00.59 CST 0 Thunderstorm Wind (MG 63 kt) 07/29/09 00.59 CST 0 Thunderstorm Wind (MG 63 kt) 07/29/09 00.59 CST 0 Thunderstorm Wind (MG 63 kt) 07/29/09 00.59 CST 0 Thunderstorm Wind (MG 63 kt) 07/29/09 00.59 CST 0 Thunderstorm Wind (MG 63 kt) 07/29/09 00.59 CST 0 Source: ASOS CTOR COUNTY ODESSA [31.85, -102.37] 07/29/09 01.50 CST 0 Thunderstorm Wind (MG 63 kt) 07/29/09 01.50 CST 0 Source: Public CTOR COUNTY 2.8 SE ODESSA ECTOR CO ARPT [31.90, -102.34], 2.1 ENE ODESSA [31.86, -102.34], 1.4 WSW ODESSA [31.84, -102.39], 1.6 N REENFIELD ACRES [31.89, -102.40] 07/29/09 02.35 CST 0 Flash Flood (due to Heavy Rain) 07/29/09 02.35 CST 0 Source: Fire Department/Resoule ome roads were impassable due to high water. The duration of this event was estimated due to limited reports. everal upper level disturbances moving over the northern and central portions of the forecast area produced scattered thunderstorms to source and control of this event was estimated due to limited reports. CURRY COUNTY SAYDER WINSTON ARPT [32.70, -100.95] 07/29/09 23.55 CST 0 Thunderstorm Wind (MG 52 kt) 07/29/09 23.55 CST 0 Thunderstorm Wind (MG 52 kt) 07/29/09 23.55 CST 0 Thunderstorm Wind (MG 52 kt) 07/29/09 23.55 CST 0 Thunderstorm Wind (MG 52 kt) 07/29/09 23.55 CST 0 Thunderstorm Wind (MG 52 kt) 07/29/09 23.55 CST 0 Thunderstorm Wind (MG 52 kt) 07/29/09 23.55 CST 0 Thunderstorm Wind (MG 52 kt) 07/29/09 23.55 CST 0 Thunderstorm Wind (MG 52 kt) 07/29/09 23.55 CST 0 Thunderstorm Wind (MG 52 kt) 07/29/09 23.55 CST 0 Thunderstorm Wind (MG 52 kt) 07/29/09 23.55 CST 0 Source: Tiesed Source Westonet 07/39/09 00.015 CST 0 Thunderst					· · · · · · · · · · · · · · · · · · ·
07/29/08 00.43 CST		07/29/09 00:42 CST		0	Source: ASOS
### OT/29/09 00.43 CST	CTOR COUNTY ODESSA [31.85, -102.37]				
### CTOR COUNTY ODESSA [31.85, -102.37] 07729/09 01:00 CST	• • • • • • • • • • • • • • • • • • • •	07/29/09 00:43 CST		0	Thunderstorm Wind (MG 58 kt)
O7729/09 00:05 CST		07/29/09 00:47 CST		0	Source: ASOS
O7/29/09 00/57 CST	CTOD COUNTY ODESSA ISLAS ASSASS				
IDLAND COUNTY 0.9 NE (MAF) MIDLAND INTL [31.94, -102.19] O7/29/09 00:59 CST	CTOR COUNTY ODESSA [31.85, -102.37]	07/29/09 00:57 CST		0	Thunderstorm Wind (MG 61 kt)
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07/30/09 00:05 CST 0 Thunderstorm Wind (MG 52 kt) 07/30/09 00:15 CST 0 Source: Mesonet shortwave trough embedded within northwesterly flow aloft provided sufficient lift and instability for scattered thunderstorms to evelop. OVING COUNTY 9.0 NE MENTONE [31.79, -103.49], 12.8 NNE MENTONE [31.88, -103.54], 17.9 NNE MENTONE [31.93, -103.46], 15.2 NE MENTONE 11.84, -103.40] 07/30/09 12:30 CST 0 Flash Flood (due to Heavy Rain) 07/31/09 03:00 CST 0 Source: Trained Spotter REWSTER COUNTY 4.5 NNW ALPINE TERLINGUA ARP [29.51, -103.43] 07/30/09 16:03 CST 0 Hail (0.88 in)					
0 Source: Mesonet shortwave trough embedded within northwesterly flow aloft provided sufficient lift and instability for scattered thunderstorms to evelop. OVING COUNTY 9.0 NE MENTONE [31.79, -103.49], 12.8 NNE MENTONE [31.88, -103.54], 17.9 NNE MENTONE [31.93, -103.46], 15.2 NE MENTONE [31.84, -103.40] 07/30/09 12:30 CST 0 Flash Flood (due to Heavy Rain) 07/31/09 03:00 CST 0 Source: Trained Spotter REWSTER COUNTY 4.5 NNW ALPINE TERLINGUA ARP [29.51, -103.43] 07/30/09 16:03 CST 0 Hail (0.88 in)	CURRY COUNTY SNYDER WINSTON ARPT			0	Thunderstorm Wind (MG 52 kt)
A shortwave trough embedded within northwesterly flow aloft provided sufficient lift and instability for scattered thunderstorms to evelop. OVING COUNTY 9.0 NE MENTONE [31.79, -103.49], 12.8 NNE MENTONE [31.88, -103.54], 17.9 NNE MENTONE [31.93, -103.46], 15.2 NE MENTONE [31.84, -103.40] 07/30/09 12:30 CST 0 Flash Flood (due to Heavy Rain) 07/31/09 03:00 CST 0 Source: Trained Spotter OREWSTER COUNTY 4.5 NNW ALPINE TERLINGUA ARP [29.51, -103.43] 07/30/09 16:03 CST 0 Hail (0.88 in)					· · · · · · · · · · · · · · · · · · ·
OVING COUNTY 9.0 NE MENTONE [31.79, -103.49], 12.8 NNE MENTONE [31.88, -103.54], 17.9 NNE MENTONE [31.93, -103.46], 15.2 NE MENTONE [31.84, -103.40] 07/30/09 12:30 CST 0 Flash Flood (due to Heavy Rain) 07/31/09 03:00 CST 0 Source: Trained Spotter REWSTER COUNTY 4.5 NNW ALPINE TERLINGUA ARP [29.51, -103.43] 07/30/09 16:03 CST 0 Hail (0.88 in)		07/30/09 00.13 631		U	Source, Mesonet
1.84, -103.40] 07/30/09 12:30 CST 0 Flash Flood (due to Heavy Rain) 07/31/09 03:00 CST 0 Source: Trained Spotter REWSTER COUNTY 4.5 NNW ALPINE TERLINGUA ARP [29.51, -103.43] 07/30/09 16:03 CST 0 Hail (0.88 in)		sterly flow aloft provided suf	fficient lift and ins	tability for scattere	ed thunderstorms to
07/30/09 12:30 CST 0 Flash Flood (due to Heavy Rain) 07/31/09 03:00 CST 0 Source: Trained Spotter REWSTER COUNTY 4.5 NNW ALPINE TERLINGUA ARP [29.51, -103.43] 07/30/09 16:03 CST 0 Hail (0.88 in)		103.49], 12.8 NNE MENTONE	E [31.88, -103.54], [,]	17.9 NNE MENTON	IE [31.93, -103.46], 15.2 NE MENTONE
REWSTER COUNTY 4.5 NNW ALPINE TERLINGUA ARP [29.51, -103.43] 07/30/09 16:03 CST 0 Hail (0.88 in)		07/30/09 12:30 CST		0	Flash Flood (due to Heavy Rain)
07/30/09 16:03 CST 0 Hail (0.88 in)		07/31/09 03:00 CST		0	Source: Trained Spotter
07/30/09 16:03 CST 0 Hail (0.88 in)	DEMOTER COUNTY (5 NOW AL DIVE TO	INCHA ADD IOC E4 400 100	•		
	KEWSTER COUNTY 4.5 NNW ALPINE TERI	=	I	0	Hail (0.88 in)
		07/30/09 16:20 CST		0	Source: COOP Observer

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
BREWSTER COUNTY 9.1 NW ALF	PINE TERLINGUA ARP [29.53, -103.52]			
	07/30/09 16:10 CST		0	Thunderstorm Wind (MG 63 kt)
	07/30/09 16:12 CST		0	Source: COOP Observer
	STOLON [29.18, -103.46], 6.3 WSW PANTH	HER JUNCTION [29.26, -103.39], 4.9	9 SSW PANTHER JUNCTION [29.24,
103.34], 6.6 ENE CASTOLON [29.17	, -103.42] 07/30/09 18:19 CST		0	Flash Flood (due to Heavy Rain)
	07/30/09 19:19 CST		0	Source: Law Enforcement
There were several impassible points	along the Ross Maxwell Scenic Road due	to high water.		
WINKLER COUNTY 12.6 WNW (IN	IK)WINKLER CO ARPT [31.87, -103.39]			
	07/30/09 22:55 CST		2K	Thunderstorm Wind (EG 65 kt)
	07/30/09 22:56 CST		0	Source: Fire Department/Rescue
	down near the Winkler/Loving county line.		.34, -102.54], 0.3 N	NW ANDREWS CO ARPT [32.33,
ANDREWS COUNTY 1.3 WNW AN	down near the Winkler/Loving county line. IDREWS [32.33, -102.57], 1.1 NW ANDREW [2.54], 0.9 WSW ANDREWS [32.32, -102.50] 07/31/09 02:10 CST	WS CO ARPT [32	5K	Flash Flood (due to Heavy Rain)
ANDREWS COUNTY 1.3 WNW AN 102.53], 0.6 E ANDREWS [32.32, -10	down near the Winkler/Loving county line. IDREWS [32.33, -102.57], 1.1 NW ANDREW [2.54], 0.9 WSW ANDREWS [32.32, -102.50]	WS CO ARPT [32 6]	5K 0	Flash Flood (due to Heavy Rain) Source: Law Enforcement
ANDREWS COUNTY 1.3 WNW AN 102.53], 0.6 E ANDREWS [32.32, -10 A vehicle was reported submerged wiwater over them.	down near the Winkler/Loving county line. IDREWS [32.33, -102.57], 1.1 NW ANDREW [2.54], 0.9 WSW ANDREWS [32.32, -102.507/31/09 02:10 CST 07/31/09 03:30 CST	WS CO ARPT [32 6] he northwest and	5K 0 northeast side of t	Flash Flood (due to Heavy Rain) Source: Law Enforcement the city also had 1 foot of flowing
ANDREWS COUNTY 1.3 WNW AN .102.53], 0.6 E ANDREWS [32.32, -10 A vehicle was reported submerged wiwater over them.	down near the Winkler/Loving county line. IDREWS [32.33, -102.57], 1.1 NW ANDREW [2.54], 0.9 WSW ANDREWS [32.32, -102.507/31/09 02:10 CST 07/31/09 03:30 CST Ithin the city limits in Andrews. Roads on the county limits in Andrews.	WS CO ARPT [32 6] he northwest and	5K 0 northeast side of t	Flash Flood (due to Heavy Rain) Source: Law Enforcement the city also had 1 foot of flowing ODESSA [31.86, -102.38], 1.1 NW
ANDREWS COUNTY 1.3 WNW AN 102.53], 0.6 E ANDREWS [32.32, -10 A vehicle was reported submerged wiwater over them.	down near the Winkler/Loving county line. IDREWS [32.33, -102.57], 1.1 NW ANDREW [2.54], 0.9 WSW ANDREWS [32.32, -102.5 07/31/09 02:10 CST 07/31/09 03:30 CST Ithin the city limits in Andrews. Roads on the FIELD ACRES [31.86, -102.38], 1.2 NNW (1.50)	WS CO ARPT [32 6] he northwest and	5K 0 northeast side of t	Flash Flood (due to Heavy Rain) Source: Law Enforcement the city also had 1 foot of flowing
ANDREWS COUNTY 1.3 WNW AN (102.53], 0.6 E ANDREWS [32.32, -10] A vehicle was reported submerged with water over them. ECTOR COUNTY 1.1 ESE GREEN ODESSA [31.86, -102.38]	down near the Winkler/Loving county line. IDREWS [32.33, -102.57], 1.1 NW ANDREW 12.54], 0.9 WSW ANDREWS [32.32, -102.507/31/09 02:10 CST 07/31/09 03:30 CST Ithin the city limits in Andrews. Roads on the County limits in Andrews.	WS CO ARPT [32 6] he northwest and DDESSA [31.87,	5K 0 northeast side of t -102.38], 1.0 NNW 10K 0	Flash Flood (due to Heavy Rain) Source: Law Enforcement the city also had 1 foot of flowing ODESSA [31.86, -102.38], 1.1 NW Flash Flood (due to Heavy Rain) Source: Broadcast Media
ANDREWS COUNTY 1.3 WNW AN (102.53], 0.6 E ANDREWS [32.32, -10] A vehicle was reported submerged with water over them. ECTOR COUNTY 1.1 ESE GREEN (2005) DDESSA [31.86, -102.38] Multiple vehicles were submerged at the covered the same roadway.	down near the Winkler/Loving county line. IDREWS [32.33, -102.57], 1.1 NW ANDREW [2.54], 0.9 WSW ANDREWS [32.32, -102.507/31/09 02:10 CST 07/31/09 03:30 CST Ithin the city limits in Andrews. Roads on the County limits in Andrews (1.2 NNW 000) (1.2 NNW	ws co ARPT [326] the northwest and DDESSA [31.87, and selections of the selection of the se	5K 0 northeast side of t .102.38], 1.0 NNW 10K 0	Flash Flood (due to Heavy Rain) Source: Law Enforcement the city also had 1 foot of flowing ODESSA [31.86, -102.38], 1.1 NW Flash Flood (due to Heavy Rain) Source: Broadcast Media
ANDREWS COUNTY 1.3 WNW AN (102.53], 0.6 E ANDREWS [32.32, -10] A vehicle was reported submerged with water over them. ECTOR COUNTY 1.1 ESE GREEN (2005) DDESSA [31.86, -102.38] Multiple vehicles were submerged at a covered the same roadway.	down near the Winkler/Loving county line. IDREWS [32.33, -102.57], 1.1 NW ANDREW 12.54], 0.9 WSW ANDREWS [32.32, -102.507/31/09 02:10 CST 07/31/09 03:30 CST Ithin the city limits in Andrews. Roads on the County of CST 07/31/09 02:59 CST 07/31/09 02:59 CST 07/31/09 04:59 CST 07/31/09 04:59 CST Ithe intersection of 23rd Street and Andrew	ws co ARPT [326] the northwest and DDESSA [31.87, and selections of the selection of the se	5K 0 northeast side of t .102.38], 1.0 NNW 10K 0	Flash Flood (due to Heavy Rain) Source: Law Enforcement the city also had 1 foot of flowing ODESSA [31.86, -102.38], 1.1 NW Flash Flood (due to Heavy Rain) Source: Broadcast Media

A cold front located near the Pecos River and surface based instability along the front resulted in thunderstorm development across southwest Texas. In addition, abnormally high amounts of atmospheric moisture lead to heavy rainfall for some locations.

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