## Storm Data and Unusual Weather Phenomena - September 2011

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

### OKLAHOMA, Western, Central and Southeast

(OK-Z004) HARPER, (OK-Z005) WOODS, (OK-Z006) ALFALFA, (OK-Z007) GRANT, (OK-Z008) KAY, (OK-Z009) ELLIS, (OK-Z010) WOODWARD, (OK-Z011) MAJOR, (OK-Z012) GARFIELD, (OK-Z013) NOBLE, (OK-Z014) ROGER MILLS, (OK-Z015) DEWEY, (OK-Z016) CUSTER, (OK-Z017) BLAINE, (OK-Z018) KINGFISHER, (OK-Z019) LOGAN, (OK-Z020) PAYNE, (OK-Z021) BECKHAM, (OK-Z022) WASHITA, (OK-Z023) CADDO, (OK-Z024) CANADIAN, (OK-Z025) OKLAHOMA, (OK-Z026) LINCOLN, (OK-Z027) GRADY, (OK-Z028) MCCLAIN, (OK-Z029) CLEVELAND, (OK-Z030) POTTAWATOMIE, (OK-Z031) SEMINOLE, (OK-Z032) HUGHES, (OK-Z033) HARMON, (OK-Z034) GREER, (OK-Z035) KIOWA, (OK-Z036) JACKSON, (OK-Z037) TILLMAN, (OK-Z038) COMANCHE, (OK-Z039) STEPHENS, (OK-Z040) GARVIN, (OK-Z041) MURRAY, (OK-Z042) PONTOTOC, (OK-Z043) COAL, (OK-Z044) COTTON, (OK-Z045) JEFFERSON, (OK-Z046) CARTER, (OK-Z047) JOHNSTON, (OK-Z048) ATOKA, (OK-Z050) LOVE, (OK-Z051) MARSHALL, (OK-Z052) BRYAN

The exceptional drought that had plagued much of Oklahoma for several months continued through the month of September. Although rainfall events were a little more frequent, rainfall totals were still below normal. Parts of north-central Oklahoma received a little more precipitation, which actually reduced the drought category slightly to D3 (severe). Luckily, the intense heat calmed significantly by the end of the month.

HARPER COUNTY 7.0 SE SELM				
	09/17/11 15:00 CST	0	Hail (0.75 in)	
	09/17/11 15:00 CST	0	Source: Public	
HARPER COUNTY 8.0 SE SELMA	AN [36.72, -99.39]			
	09/17/11 15:00 CST	0	Hail (0.75 in)	
	09/17/11 15:00 CST	0	Source: Public	
ALFALFA COUNTY AMORITA [3	6.92, -98.29]			
	09/17/11 15:35 CST	0	Hail (1.00 in)	
	09/17/11 15:35 CST	0	Source: Law Enforcement	
WOODWARD COUNTY 15.0 N M	OORELAND ARPT [36.70, -99.19]			
	09/17/11 15:40 CST	0	Hail (1.75 in)	
	09/17/11 15:40 CST	0	Source: Park/Forest Service	
	00/1//11 10:40 001	· ·		
Quarter- to Golf Ball-size hail was re	ported at Alabaster Caverns State Park.	· ·		
	ported at Alabaster Caverns State Park.			
	ported at Alabaster Caverns State Park.	0	Hail (1.00 in)	
	ported at Alabaster Caverns State Park.  COODWARD [36.39, -99.34]	0 0		
WOODWARD COUNTY 4.0 SE W	OODWARD [36.39, -99.34] 09/17/11 15:50 CST 09/17/11 15:50 CST		Hail (1.00 in)	
WOODWARD COUNTY 4.0 SE W	OODWARD [36.39, -99.34] 09/17/11 15:50 CST 09/17/11 15:50 CST		Hail (1.00 in)	
WOODWARD COUNTY 4.0 SE W	OODWARD [36.39, -99.34] 09/17/11 15:50 CST 09/17/11 15:50 CST	0	Hail (1.00 in) Source: Public	
WOODWARD COUNTY 4.0 SE W	Ported at Alabaster Caverns State Park.  POODWARD [36.39, -99.34]  09/17/11 15:50 CST  09/17/11 15:50 CST  OP [35.15, -99.36]  09/17/11 16:02 CST	0	Hail (1.00 in) Source: Public Hail (1.25 in)	
WOODWARD COUNTY 4.0 SE W	OODWARD [36.39, -99.34] 09/17/11 15:50 CST 09/17/11 15:50 CST  OP [35.15, -99.36] 09/17/11 16:02 CST 09/17/11 16:02 CST	0	Hail (1.00 in) Source: Public  Hail (1.25 in) Source: Amateur Radio  Tornado (EF0, L: 1.52 mi , W: 75 yd)	
WOODWARD COUNTY 4.0 SE W BECKHAM COUNTY 1.0 S RETR	OODWARD [36.39, -99.34] 09/17/11 15:50 CST 09/17/11 15:50 CST  OP [35.15, -99.36] 09/17/11 16:02 CST 09/17/11 16:02 CST	0 0	Hail (1.00 in) Source: Public  Hail (1.25 in) Source: Amateur Radio	
WOODWARD COUNTY 4.0 SE W BECKHAM COUNTY 1.0 S RETR GRANT COUNTY 4.2 S WAKITA	OODWARD [36.39, -99.34] 09/17/11 15:50 CST 09/17/11 15:50 CST  OP [35.15, -99.36] 09/17/11 16:02 CST 09/17/11 16:02 CST  [36.82, -97.93], 5.0 S WAKITA [36.81, -97.91] 09/17/11 16:46 CST	0 0 0	Hail (1.00 in) Source: Public  Hail (1.25 in) Source: Amateur Radio  Tornado (EF0, L: 1.52 mi , W: 75 yd) Source: Storm Chaser	
WOODWARD COUNTY 4.0 SE W BECKHAM COUNTY 1.0 S RETR GRANT COUNTY 4.2 S WAKITA Numerous storm chasers reported a	OODWARD [36.39, -99.34] 09/17/11 15:50 CST 09/17/11 15:50 CST  OP [35.15, -99.36] 09/17/11 16:02 CST 09/17/11 16:02 CST  [36.82, -97.93], 5.0 S WAKITA [36.81, -97.91] 09/17/11 16:46 CST 09/17/11 16:49 CST  tornado south of Wakita that persisted for a few m	0 0 0	Hail (1.00 in) Source: Public  Hail (1.25 in) Source: Amateur Radio  Tornado (EF0, L: 1.52 mi , W: 75 yd) Source: Storm Chaser	
WOODWARD COUNTY 4.0 SE W BECKHAM COUNTY 1.0 S RETR GRANT COUNTY 4.2 S WAKITA	OODWARD [36.39, -99.34] 09/17/11 15:50 CST 09/17/11 15:50 CST  OP [35.15, -99.36] 09/17/11 16:02 CST 09/17/11 16:02 CST  [36.82, -97.93], 5.0 S WAKITA [36.81, -97.91] 09/17/11 16:46 CST 09/17/11 16:49 CST  tornado south of Wakita that persisted for a few m	0 0 0	Hail (1.00 in) Source: Public  Hail (1.25 in) Source: Amateur Radio  Tornado (EF0, L: 1.52 mi , W: 75 yd) Source: Storm Chaser	

A second tornado was observed by numerous storm chasers to the northeast of the larger tornado that was occurring south of Wakita. This tornado was a narrow rope tornado that became very elongated and tilted from the cloud base. No damage was reported with this tornado.

GRANT COUNTY --- 6.8 S WAKITA [36.78, -97.90]

Page 1 of 3 Printed on: 01/03/2012

# Storm Data and Unusual Weather Phenomena - September 2011

Committee   Comm	Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
A Prior brief formatio was observed by a media storm chaser. Again, no damage was reported with this formatio.  TILLMAN COUNTY 3.0 W GRANDFIELD [34.23, -98.74]  C0417711 17:05 CST 0 Source: Mesonet  ALFALFA COUNTY 1.5 N CARMEN [38.53, -98.46]  C0417711 17:10 CST 8K Thunderstorm Wind [65.56 kt)  C0417711 17:10 CST 8K Thunderstorm Wind [65.56 kt)  C0417711 17:10 CST 8K Thunderstorm Wind [65.56 kt)  C0417711 17:10 CST 0 Source: Emergency Manager  Six power poles were anapped. Monetary damages were estimated.  COMANCHE COUNTY MEDICINE PARK [34.73, -98.50]  C0417711 17:12 CST 0 Hall (0.88 m)  C0417711 17:12 CST 0 Source: Annateur Radio  TILLMAN COUNTY 3.0 W GRANDFIELD [24.23, -98.74]  C0417711 17:15 CST 0 Thunderstorm Wind (MC 57 kt)  C0417711 17:15 CST 0 Source: Mesonet  TILLMAN COUNTY GRANDFIELD [34.23, -98.69]  C0417711 17:15 CST 0 Thunderstorm Wind (MC 57 kt)  C0417711 17:15 CST 0 Source: Public  TILLMAN COUNTY GRANDFIELD [34.23, -98.69]  C0417711 17:15 CST 0 Thunderstorm Wind (MC 56 kt)  C0417711 17:15 CST 0 Source: Public  TILLMAN COUNTY GRANDFIELD [34.23, -98.69]  C0417711 17:15 CST 0 Thunderstorm Wind (MC 56 kt)  C0417711 17:15 CST 0 Source: Mesonet  TILLMAN COUNTY SOURCE SUBJECT ON Thunderstorm Wind (MC 56 kt)  C0417711 17:15 CST 0 Thunderstorm Wind (MC 56 kt)  C0417711 18:10 CST 0 Thunderstorm Wind (MC 56 kt)  C0417711 18:10 CST 0 Thunderstorm Wind (MC 56 kt)  C0417711 18:10 CST 0 Thunderstorm Wind (MC 56 kt)  C0417711 18:10 CST 0 Thunderstorm Wind (MC 56 kt)  C0417711 18:20 CST 0 Thunderstorm Wind (MC 56 kt)  C0417711 18:20 CST 0 Thunderstorm Wind (MC 56 kt)  C0417711 18:20 CST 0 Thunderstorm Wind (MC 56 kt)  C0417711 18:20 CST 0 Thunderstorm Wind (MC 56 kt)  C0417711 18:20 CST 0 Thunderstorm Wind (MC 56 kt)  C0417711 18:20 CST 0 Thunderstorm Wind (MC 56 kt)  C0417711 18:20 CST 0 Thunderstorm Wind (MC 56 kt)  C0417711 18:20 CST 0 Thunderstorm Wind (MC 56 kt)  C0417711 18:20 CST 0 Thunderstorm Wind (MC 56 kt)  C0417711 18:20 CST 0 Thunderstorm Wind (MC 56 kt)  C0417711 18:20		09/17/11 16:55 CST		0	Tornado (EF0, L: 0.50 mi , W: 30 yd)
TILLMAN COUNTY — 3.0 W GRANDFIELD [34.23, -98.49]		09/17/11 16:55 CST		0	Source: Broadcast Media
0917711 17:06 CST	A third brief tornado was observed by a med	lia storm chaser. Again, no damag	e was reported wit	th this tornado.	
ALFALFA COUNTY 3.5 N CARMEN (36.43, -98.46)  0917711 17:10 CST 0917711 77:10 CST 091771 77:10 CST 0917711 77:10 CST	TILLMAN COUNTY 3.0 W GRANDFIELD			•	T
ALFALFA COUNTY — 3.5 N CARMEN [36.83, 88.46]					
09/17/11 17/10 CST		09/17/11 17:05 CST		0	Source: Mesonet
OB/17/11 17:10 CST	ALFALFA COUNTY 3.5 N CARMEN [36.6	· · · · · · · · · · · · · · · · · · ·			
Six power poles were snapped. Monetary damages were estimated.  COMANCHE COUNTY — MEDICINE PARK [34.73, 98.50] 09/17/11 17:14 CST 09/17/11 17:14 CST 09/17/11 17:15 CST 0 Source: Amateur Radio  TILLMAN COUNTY — 3.0 W GRANDFIELD [34.23, 98.74] 09/17/11 17:15 CST 09/17/11 17:15 CST 0 Source: Mesonet  TILLMAN COUNTY — GRANDFIELD [34.23, 98.59] 09/17/11 17:15 CST 0 Source: Mesonet  TILLMAN COUNTY — GRANDFIELD [34.23, 98.59] 09/17/11 17:15 CST 0 Source: Public  TILLMAN COUNTY — GRANDFIELD [34.23, 98.59] 09/17/11 17:15 CST 0 Source: Public  TILLMAN COUNTY — GRANDFIELD [34.23, 98.59] 09/17/11 17:15 CST 0 Source: Public  TILLMAN COUNTY — GRANDFIELD [34.23, 98.59] 09/17/11 18:10 CST 0 Source: Public  TILLMAN COUNTY — 4.0 SSE BLACKWELL [36.75, 97.28] 09/17/11 18:10 CST 0 Thunderstorm Wind (MG 54 kt) 09/17/11 18:10 CST 0 Source: Mesonet  KAY COUNTY — 1.0 S (PNC)PONCA CITY ARP) [36.72, 97.10] 09/17/11 18:15 CST 0 Source: ASOS  KAY COUNTY — 3.0 SE KILDARE [38.78, 97.01] 09/17/11 18:20 CST 09/17/11 18:20 CST 09/17/11 18:20 CST 09/17/11 18:20 CST 0 Source: Energency Manager  Several trees and a barn were damaged. Monetary damage estimates were not available.  MAJOR COUNTY — FAIRVIEW [36.27, 98.48] 09/17/11 18:25 CST 0 Source: Energency Manager  NOBLE COUNTY — 4.0 SE BILLINGS [38.49, 97.39] 09/17/11 18:25 CST 0 Source: Public  GARPIELD COUNTY — DRUMMOND [38.30, 98.09] 09/17/11 18:39 CST 0 Hall (1.25 in)		09/17/11 17:10 CST		8K	Thunderstorm Wind (EG 56 kt)
COMANCHE COUNTY — MEDICINE PARK [34.73, -38.80]		09/17/11 17:10 CST		0	Source: Emergency Manager
09/17/11   17:14 CST   0	Six power poles were snapped. Monetary da	amages were estimated.			
TILLMAN COUNTY 3.0 W GRANDFIELD [34.23, -98.74]	COMANCHE COUNTY MEDICINE PARK	[34.73, -98.50]			
TILLMAN COUNTY 3.0 W GRANDFIELD [34.23, -98.69]  09/17/11 17:15 CST 0 Thunderstorm Wind (MG 57 kt) 09/17/11 17:15 CST 0 Source: Mesonet  TILLMAN COUNTY GRANDFIELD [34.23, -98.69] 09/17/11 17:15 CST 0 Hali (2.00 in) 09/17/11 17:15 CST 0 Source: Public  TILLMAN COUNTY GRANDFIELD [34.23, -98.69] 09/17/11 17:15 CST 0 Thunderstorm Wind (EG 56 kt) 09/17/11 17:15 CST 0 Source: Public  TILLMAN COUNTY 4.0 SSE BLACKWELL [36.76, -97.26] 09/17/11 17:15 CST 0 Source: Public  KAY COUNTY 4.0 SSE BLACKWELL [36.76, -97.26] 09/17/11 18:10 CST 0 Thunderstorm Wind (MG 54 kt) 09/17/11 18:10 CST 0 Thunderstorm Wind (MG 58 kt) 09/17/11 18:15 CST 0 Thunderstorm Wind (MG 59 kt) 09/17/11 18:15 CST 0 Source: ASOS  KAY COUNTY 1.0 S (PNC)PONCA CITY ARPT [36.72, -97.10] 09/17/11 18:15 CST 0 Thunderstorm Wind (MG 59 kt) 09/17/11 18:10 CST 0 Source: ASOS  KAY COUNTY 3.0 SE KILDARE [36.78, -97.01] 09/17/11 18:20 CST 0 Thunderstorm Wind (MG 59 kt) 09/17/11 18:20 CST 0 Thunderstorm Wind (EG 61 kt) 09/17/11 18:20 CST 0 Source: Emergency Manager  Several trees and a barn were damaged. Monetary damage estimates were not available.  MAJOR COUNTY FAIRVIEW [36.27, -98.48] 09/17/11 18:25 CST 0 Hali (2.00 in) 09/17/11 18:25 CST 0 Source: Law Enforcement  NOBLE COUNTY 4.0 SE BILLINGS [36.49, -97.39] 09/17/11 18:39 CST 0 Thunderstorm Wind (MG 55 kt) 09/17/11 18:39 CST 0 Source: Public  GARFIELD COUNTY DRUMMOND [36.30, -80.04]		09/17/11 17:14 CST		0	Hail (0.88 in)
0947711 17:16 CST		09/17/11 17:21 CST		0	Source: Amateur Radio
0947711 17:16 CST	TILLMAN COUNTY 3.0 W GRANDFIELD	[34.23, -98.74]			
TILLMAN COUNTY GRANDFIELD [34.23, -98.69]   09/17/11 17:15 CST				0	Thunderstorm Wind (MG 57 kt)
D9/17/11 17:15 CST   D9/17/11 18:10 CST   D9/17/11 18:10 CST   D9/17/11 18:10 CST   D9/17/11 18:10 CST   D9/17/11 18:15 CST   D9/17/11 18:20 CST   D9/17/11 18:25 CST   D9/17/1					
D9/17/11 17:15 CST   D9/17/11 18:10 CST   D9/17/11 18:10 CST   D9/17/11 18:10 CST   D9/17/11 18:10 CST   D9/17/11 18:15 CST   D9/17/11 18:20 CST   D9/17/11 18:25 CST   D9/17/1	THE MAN COUNTY OF COUNTY	00.001			
Og/17/11 17:15 CST	TILLMAN COUNTY GRANDFIELD [34.23	·		0	Hail (2 00 in)
TILLMAN COUNTY GRANDFIELD [34.23, -98.49]  09/17/11 17:15 CST 0 Thunderstorm Wind (EG 56 kt) 09/17/11 17:15 CST 0 Source: Public  In addition to the severe winds, hail up to two inches in diameter was reported.  KAY COUNTY 4.0 SSE BLACKWELL [36.75, -97.25] 09/17/11 18:10 CST 0 Thunderstorm Wind (MG 54 kt) 09/17/11 18:10 CST 0 Source: Mesonet  KAY COUNTY 1.0 S (PNC)PONCA CITY ARPT [36.72, -97.10] 09/17/11 18:15 CST 0 Thunderstorm Wind (MG 59 kt) 09/17/11 18:15 CST 0 Source: ASOS  KAY COUNTY 3.0 SE KILDARE [36.78, -97.01] 09/17/11 18:20 CST 0 Thunderstorm Wind (EG 61 kt) 09/17/11 18:20 CST 0 Source: Emergency Manager  Several trees and a barn were damaged. Monetary damage estimates were not available.  MAJOR COUNTY FAIRVIEW [36.27, -98.48] 09/17/11 18:25 CST 0 Hail (2.00 in) 09/17/11 18:39 CST 0 Thunderstorm Wind (MG 55 kt) 09/17/11 18:39 CST 0 Source: Law Enforcement  NOBLE COUNTY 4.0 SE BILLINGS [36.49, -97.39] 09/17/11 18:39 CST 0 Thunderstorm Wind (MG 55 kt) 09/17/11 18:39 CST 0 Source: Public					
09/17/11 17:15 CST 0 Thunderstorm Wind (EG 56 kt) 09/17/11 17:15 CST 0 Source: Public  In addition to the severe winds, hail up to two inches in diameter was reported.  KAY COUNTY 4.0 SSE BLACKWELL [36.75, -97.25] 09/17/11 18:10 CST 0 Thunderstorm Wind (MG 54 kt) 09/17/11 18:10 CST 0 Source: Mesonet  KAY COUNTY 1.0 S (PNC)PONCA CITY ARPT [36.72, -97.10] 09/17/11 18:15 CST 0 Thunderstorm Wind (MG 59 kt) 09/17/11 18:15 CST 0 Source: ASOS  KAY COUNTY 3.0 SE KILDARE [36.78, -97.01] 09/17/11 18:20 CST 0 Thunderstorm Wind (EG 61 kt) 09/17/11 18:20 CST 0 Source: Emergency Manager  Several trees and a barn were damaged. Monetary damage estimates were not available.  MAJOR COUNTY FAIRVIEW [36.27, -98.48] 09/17/11 18:25 CST 0 Hail (2.00 in) 09/17/11 18:29 CST 0 Source: Law Enforcement  NOBLE COUNTY 4.0 SE BILLINGS [36.49, -97.39] 09/17/11 18:39 CST 0 Thunderstorm Wind (MG 55 kt) 09/17/11 18:39 CST 0 Source: Public		03/1//11 17:10 001		O .	Godfee. 1 dallo
09/17/11 17:15 CST 0 Source: Public  In addition to the severe winds, hail up to two inches in diameter was reported.  KAY COUNTY 4.0 SSE BLACKWELL [36.75, -97.25] 09/17/11 18:10 CST 0 Thunderstorm Wind (MG 54 kt) 09/17/11 18:10 CST 0 Source: Mesonet  KAY COUNTY 1.0 S (PNC)PONCA CITY ARPT [36.72, -97.10] 09/17/11 18:15 CST 0 Source: ASOS  KAY COUNTY 3.0 SE KILDARE [36.78, -97.01] 09/17/11 18:20 CST 0 Thunderstorm Wind (MG 59 kt) 09/17/11 18:20 CST 0 Source: Emergency Manager  Several trees and a barn were damaged. Monetary damage estimates were not available.  MAJOR COUNTY FAIRVIEW [36.27, -98.48] 09/17/11 18:25 CST 0 Source: Law Enforcement  NOBLE COUNTY 4.0 SE BILLINGS [36.49, -97.39] 09/17/11 18:39 CST 0 Thunderstorm Wind (MG 55 kt) 09/17/11 18:39 CST 0 Source: Public  GARFIELD COUNTY DRUMMOND [38.30, -98.04] 09/17/11 19:39 CST 0 Hail (1.25 in)	TILLMAN COUNTY GRANDFIELD [34.23	·			
In addition to the severe winds, hail up to two inches in diameter was reported.  KAY COUNTY 4.0 SSE BLACKWELL [36.75, -97.25]  09/17/11 18:10 CST 0 0/17/11 18:10 CST 0 Thunderstorm Wind (MG 54 kt) 09/17/11 18:15 CST 0 Thunderstorm Wind (MG 59 kt) 09/17/11 18:15 CST 0 Thunderstorm Wind (MG 59 kt) 09/17/11 18:20 CST 0 Thunderstorm Wind (EG 61 kt) 09/17/11 18:20 CST 09/17/11 18:20 CST 09/17/11 18:20 CST 09/17/11 18:25 CST 0 Source: Emergency Manager  Several trees and a barn were damaged. Monetary damage estimates were not available.  MAJOR COUNTY FAIRVIEW [36.27, -98.48] 09/17/11 18:25 CST 0 Source: Law Enforcement  NOBLE COUNTY 4.0 SE BILLINGS [36.49, -97.39] 09/17/11 18:39 CST 0 Thunderstorm Wind (MG 55 kt) 09/17/11 18:39 CST 0 Hail (1.25 in)		09/17/11 17:15 CST		0	Thunderstorm Wind (EG 56 kt)
KAY COUNTY 4.0 SSE BLACKWELL [36.75, -97.25]		09/17/11 17:15 CST		0	Source: Public
09/17/11 18:10 CST 0 Thunderstorm Wind (MG 54 kt) 09/17/11 18:10 CST 0 Source: Mesonet  KAY COUNTY 1.0 S (PNC)PONCA CITY ARPT [36.72, -97.10] 09/17/11 18:15 CST 0 Thunderstorm Wind (MG 59 kt) 09/17/11 18:15 CST 0 Source: ASOS  KAY COUNTY 3.0 SE KILDARE [36.78, -97.01] 09/17/11 18:20 CST 0 Thunderstorm Wind (EG 61 kt) 09/17/11 18:20 CST 0 Source: Emergency Manager  Several trees and a barn were damaged. Monetary damage estimates were not available.  MAJOR COUNTY FAIRVIEW [36.27, -98.48] 09/17/11 18:25 CST 0 Hail (2.00 in) 09/17/11 18:25 CST 0 Source: Law Enforcement  NOBLE COUNTY 4.0 SE BILLINGS [36.49, -97.39] 09/17/11 18:39 CST 0 Thunderstorm Wind (MG 55 kt) 09/17/11 18:39 CST 0 Source: Public  GARFIELD COUNTY DRUMMOND [36.30, -98.04] 09/17/11 19:39 CST 0 Hail (1.25 in)	In addition to the severe winds, hail up to two	o inches in diameter was reported.			
County 1.0 S (PNC)PONCA CITY ARPT [36.72, -97.10]	KAY COUNTY 4.0 SSE BLACKWELL [36	.75, -97.25]			
KAY COUNTY 1.0 S (PNC)PONCA CITY ARPT [36.72, -97.10]		09/17/11 18:10 CST		0	Thunderstorm Wind (MG 54 kt)
09/17/11 18:15 CST 0 Thunderstorm Wind (MG 59 kt) 09/17/11 18:15 CST 0 Source: ASOS  KAY COUNTY 3.0 SE KILDARE [36.78, -97.01] 09/17/11 18:20 CST 0 Thunderstorm Wind (EG 61 kt) 09/17/11 18:20 CST 0 Source: Emergency Manager  Several trees and a barn were damaged. Monetary damage estimates were not available.  MAJOR COUNTY FAIRVIEW [36.27, -98.48] 09/17/11 18:25 CST 0 Hail (2.00 in) 09/17/11 18:25 CST 0 Source: Law Enforcement  NOBLE COUNTY 4.0 SE BILLINGS [36.49, -97.39] 09/17/11 18:39 CST 0 Thunderstorm Wind (MG 55 kt) 09/17/11 18:39 CST 0 Source: Public  GARFIELD COUNTY DRUMMOND [36.30, -98.04] 09/17/11 19:39 CST 0 Hail (1.25 in)		09/17/11 18:10 CST		0	Source: Mesonet
09/17/11 18:15 CST 0 Thunderstorm Wind (MG 59 kt) 09/17/11 18:15 CST 0 Source: ASOS  KAY COUNTY 3.0 SE KILDARE [36.78, -97.01] 09/17/11 18:20 CST 0 Thunderstorm Wind (EG 61 kt) 09/17/11 18:20 CST 0 Source: Emergency Manager  Several trees and a barn were damaged. Monetary damage estimates were not available.  MAJOR COUNTY FAIRVIEW [36.27, -98.48] 09/17/11 18:25 CST 0 Hail (2.00 in) 09/17/11 18:25 CST 0 Source: Law Enforcement  NOBLE COUNTY 4.0 SE BILLINGS [36.49, -97.39] 09/17/11 18:39 CST 0 Thunderstorm Wind (MG 55 kt) 09/17/11 18:39 CST 0 Source: Public  GARFIELD COUNTY DRUMMOND [36.30, -98.04] 09/17/11 19:39 CST 0 Hail (1.25 in)	KAY COUNTY 1.0 S (PNC)PONCA CITY /	ARPT [36.7297.10]			
KAY COUNTY 3.0 SE KILDARE [36.78, -97.01]  09/17/11 18:20 CST 0 Source: Emergency Manager  Several trees and a barn were damaged. Monetary damage estimates were not available.  MAJOR COUNTY FAIRVIEW [36.27, -98.48]  09/17/11 18:25 CST 0 Hail (2.00 in) 09/17/11 18:25 CST 0 Source: Law Enforcement  NOBLE COUNTY 4.0 SE BILLINGS [36.49, -97.39] 09/17/11 18:39 CST 0 Thunderstorm Wind (MG 55 kt) 09/17/11 18:39 CST 0 Source: Public  GARFIELD COUNTY DRUMMOND [36.30, -98.04] 09/17/11 19:39 CST 0 Hail (1.25 in)	, , ,			0	Thunderstorm Wind (MG 59 kt)
09/17/11 18:20 CST 0 Thunderstorm Wind (EG 61 kt) 09/17/11 18:20 CST 0 Source: Emergency Manager  Several trees and a barn were damaged. Monetary damage estimates were not available.  MAJOR COUNTY FAIRVIEW [36.27, -98.48]  09/17/11 18:25 CST 0 Hail (2.00 in) 09/17/11 18:25 CST 0 Source: Law Enforcement  NOBLE COUNTY 4.0 SE BILLINGS [36.49, -97.39] 09/17/11 18:39 CST 0 Thunderstorm Wind (MG 55 kt) 09/17/11 18:39 CST 0 Source: Public  GARFIELD COUNTY DRUMMOND [36.30, -98.04] 09/17/11 19:39 CST 0 Hail (1.25 in)		09/17/11 18:15 CST		0	
09/17/11 18:20 CST 0 Thunderstorm Wind (EG 61 kt) 09/17/11 18:20 CST 0 Source: Emergency Manager  Several trees and a barn were damaged. Monetary damage estimates were not available.  MAJOR COUNTY FAIRVIEW [36.27, -98.48]  09/17/11 18:25 CST 0 Hail (2.00 in) 09/17/11 18:25 CST 0 Source: Law Enforcement  NOBLE COUNTY 4.0 SE BILLINGS [36.49, -97.39] 09/17/11 18:39 CST 0 Thunderstorm Wind (MG 55 kt) 09/17/11 18:39 CST 0 Source: Public  GARFIELD COUNTY DRUMMOND [36.30, -98.04] 09/17/11 19:39 CST 0 Hail (1.25 in)					
0 Source: Emergency Manager  Several trees and a barn were damaged. Monetary damage estimates were not available.  MAJOR COUNTY FAIRVIEW [36.27, -98.48]  09/17/11 18:25 CST 0 Hail (2.00 in) 09/17/11 18:25 CST 0 Source: Law Enforcement  NOBLE COUNTY 4.0 SE BILLINGS [36.49, -97.39] 09/17/11 18:39 CST 0 Thunderstorm Wind (MG 55 kt) 09/17/11 18:39 CST 0 Source: Public  GARFIELD COUNTY DRUMMOND [36.30, -98.04] 09/17/11 19:39 CST 0 Hail (1.25 in)	KAY COUNTY 3.0 SE KILDARE [36.78, -9	=		0	Thunderstorm Wind (EG 61 kt)
Several trees and a barn were damaged. Monetary damage estimates were not available.  MAJOR COUNTY FAIRVIEW [36.27, -98.48]  09/17/11 18:25 CST 0 Hail (2.00 in) 09/17/11 18:25 CST 0 Source: Law Enforcement  NOBLE COUNTY 4.0 SE BILLINGS [36.49, -97.39] 09/17/11 18:39 CST 0 Thunderstorm Wind (MG 55 kt) 09/17/11 18:39 CST 0 Source: Public  GARFIELD COUNTY DRUMMOND [36.30, -98.04] 09/17/11 19:39 CST 0 Hail (1.25 in)					
MAJOR COUNTY FAIRVIEW [36.27, -98.48]  09/17/11 18:25 CST 0 Hail (2.00 in) 09/17/11 18:25 CST 0 Source: Law Enforcement  NOBLE COUNTY 4.0 SE BILLINGS [36.49, -97.39] 09/17/11 18:39 CST 0 Thunderstorm Wind (MG 55 kt) 09/17/11 18:39 CST 0 Source: Public  GARFIELD COUNTY DRUMMOND [36.30, -98.04] 09/17/11 19:39 CST 0 Hail (1.25 in)	Several trees and a barn were damaged. Mo		ot available.	U	обитов. Еппетуентву манаден
09/17/11 18:25 CST 0 Hail (2.00 in) 09/17/11 18:25 CST 0 Source: Law Enforcement  NOBLE COUNTY 4.0 SE BILLINGS [36.49, -97.39] 09/17/11 18:39 CST 0 Thunderstorm Wind (MG 55 kt) 09/17/11 18:39 CST 0 Source: Public  GARFIELD COUNTY DRUMMOND [36.30, -98.04] 09/17/11 19:39 CST 0 Hail (1.25 in)					
09/17/11 18:25 CST 0 Source: Law Enforcement  NOBLE COUNTY 4.0 SE BILLINGS [36.49, -97.39]  09/17/11 18:39 CST 0 Thunderstorm Wind (MG 55 kt)  09/17/11 18:39 CST 0 Source: Public  GARFIELD COUNTY DRUMMOND [36.30, -98.04]  09/17/11 19:39 CST 0 Hail (1.25 in)	MAJOR COUNTY FAIRVIEW [36.27, -98.4	=		0	Hail (2.00 in)
NOBLE COUNTY 4.0 SE BILLINGS [36.49, -97.39]  09/17/11 18:39 CST 0 Thunderstorm Wind (MG 55 kt) 09/17/11 18:39 CST 0 Source: Public  GARFIELD COUNTY DRUMMOND [36.30, -98.04] 09/17/11 19:39 CST 0 Hail (1.25 in)					
09/17/11 18:39 CST 0 Thunderstorm Wind (MG 55 kt) 09/17/11 18:39 CST 0 Source: Public  GARFIELD COUNTY DRUMMOND [36.30, -98.04] 09/17/11 19:39 CST 0 Hail (1.25 in)					
09/17/11 18:39 CST 0 Source: Public  GARFIELD COUNTY DRUMMOND [36.30, -98.04]  09/17/11 19:39 CST 0 Hail (1.25 in)	NOBLE COUNTY 4.0 SE BILLINGS [36.4	·		0	Thursdoreterm Wind (MO 55 LA)
GARFIELD COUNTY DRUMMOND [36.30, -98.04]  09/17/11 19:39 CST  0 Hail (1.25 in)					
09/17/11 19:39 CST 0 Hail (1.25 in)		09/17/11 18:39 CST		0	Source: Public
09/17/11 19:39 CST 0 Hail (1.25 in)	GARFIELD COUNTY DRUMMOND [36.30	), -98.04]			
09/17/11 19:39 CST 0 Source: Trained Spotter	•	·           =		0	Hail (1.25 in)
		09/17/11 19:39 CST		0	Source: Trained Spotter

Page 2 of 3 Printed on: 01/03/2012

## Storm Data and Unusual Weather Phenomena - September 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
GARFIELD COUNTY 4.0 SSE	ENID [36.35, -97.85]			
	09/17/11 20:13 CST		0	Hail (1.75 in)
	09/17/11 20:13 CST		0	Source: Trained Spotter
The hail report was relayed by pe	ersonnel at Vance Air Force Base.			
thunderstorms developed over	western and northern Oklahoma, with anoth	ner area of thunde	rstorms developin	g near the Red River.
The thunderstorms produced la discrete and moved east and th maximize low-level wind shear,	rge hail and heavy rain as they moved east en east-southeast over north-central Oklaho and three brief tornadoes developed over o ss of daytime heating, but the northern Okl	and northeast. Or oma. Backed surfa pen country in Gr	e thunderstorm, had the thunderstorm, had the	owever, remained warm front helped orms over southwest
The thunderstorms produced la discrete and moved east and th maximize low-level wind shear, Oklahoma weakened with the lo	rge hail and heavy rain as they moved east en east-southeast over north-central Oklaho and three brief tornadoes developed over o ess of daytime heating, but the northern Oklaho producing heavy rain.	and northeast. Or oma. Backed surfa pen country in Gr	ne thunderstorm, be thunderstorm, loce winds near the ant county. The strged into a compl	owever, remained warm front helped orms over southwest ex. This complex
The thunderstorms produced la discrete and moved east and th maximize low-level wind shear, Oklahoma weakened with the lo continued well into the evening	rge hail and heavy rain as they moved east en east-southeast over north-central Oklaho and three brief tornadoes developed over o ss of daytime heating, but the northern Okl producing heavy rain.  W KINGSTON [33.91, -96.77]  09/18/11 16:20 CST	and northeast. Or oma. Backed surfa pen country in Gr	ne thunderstorm, he thunderstorm, he ce winds near the ant county. The starged into a compl	onowever, remained e warm front helped orms over southwest ex. This complex  Hail (1.00 in)
The thunderstorms produced la discrete and moved east and th maximize low-level wind shear, Oklahoma weakened with the lo continued well into the evening	rge hail and heavy rain as they moved east en east-southeast over north-central Oklaho and three brief tornadoes developed over o ess of daytime heating, but the northern Oklaho producing heavy rain.	and northeast. Or oma. Backed surfa pen country in Gr	ne thunderstorm, be thunderstorm, loce winds near the ant county. The strged into a compl	owever, remained warm front helped orms over southwest ex. This complex
The thunderstorms produced la discrete and moved east and th maximize low-level wind shear, Oklahoma weakened with the lo continued well into the evening	rge hail and heavy rain as they moved east en east-southeast over north-central Oklaho and three brief tornadoes developed over o ss of daytime heating, but the northern Okl producing heavy rain.  V KINGSTON [33.91, -96.77]  09/18/11 16:20 CST  09/18/11 16:20 CST	and northeast. Or oma. Backed surfa pen country in Gr	ne thunderstorm, he thunderstorm, he ce winds near the ant county. The starged into a compl	onowever, remained e warm front helped orms over southwest ex. This complex  Hail (1.00 in)
The thunderstorms produced la discrete and moved east and th maximize low-level wind shear, Oklahoma weakened with the lo continued well into the evening	rge hail and heavy rain as they moved east en east-southeast over north-central Oklaho and three brief tornadoes developed over o ss of daytime heating, but the northern Okl producing heavy rain.  V KINGSTON [33.91, -96.77]  09/18/11 16:20 CST  09/18/11 16:20 CST	and northeast. Or oma. Backed surfa pen country in Gr	ne thunderstorm, he thunderstorm, he ce winds near the ant county. The starged into a compl	onowever, remained e warm front helped orms over southwest ex. This complex  Hail (1.00 in)

The hail was reported near Brown.

A few severe thunderstorms with large hail developed along a slow-moving cold front across southeast Oklahoma.

### TEXAS, Western North

09/01/11 00:00 CST 0 Drought	(TX-Z083) HARDEMAN, (TX-Z084) FOARD, (TX-Z085) WILBARGER, (TX-Z086) WICHIT (TX-Z090) CLAY	A, (TX-Z087) KNOX, (1	TX-Z088) BAYLOR, (TX-Z089) ARCHER,	
	,	0	Drought	
09/30/11 23:59 CST 0	09/30/11 23:59 CST	0		

The exceptional drought that had plagued north Texas for several months continued through the month of September. Although rainfall events were a little more frequent, rainfall totals were still below normal. Several areas were still running as their driest period since October 1, 2010, with most locations having a deficit of 15 to 20 inches. Luckily, the intense heat calmed significantly by the end of the month.

VICHITA COUNTY BURKBU	RNETT [34.09, -98.56]		
	09/17/11 17:55 CST	4K	Thunderstorm Wind (EG 61 kt)
	09/17/11 17:55 CST	0	Source: COOP Observer
Numerous large tree limbs and p	ower poles were blown down. Monetary damages wer	re estimated.	
WICHITA COUNTY (SPS)SHE	PPARD AFB [33.99, -98.49]		
WICHITA COUNTY (SPS)SHE	PPARD AFB [33.99, -98.49] 09/17/11 18:10 CST	0	Thunderstorm Wind (MG 56 kt)
WICHITA COUNTY (SPS)SHE		0	Thunderstorm Wind (MG 56 kt) Source: ASOS
WICHITA COUNTY (SPS)SHE	09/17/11 18:10 CST 09/17/11 18:10 CST		· · · · · ·
	09/17/11 18:10 CST 09/17/11 18:10 CST		· · · · · ·

Scattered thunderstorms developed near the Red River. Severe storms were mostly confined to southern Oklahoma, but one severe storm straddled the Red River and moved into Wichita county. Wind gusts were estimated at 70 mph near Burkburnett, with a measured gust of 64 mph at Sheppard Air Force Base. Some damage was reported with the gust near Burkburnett.

Page 3 of 3 Printed on: 01/03/2012