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-Z027) GRADY, (OK-Z033) HARMON, (OK-Z034) GREER, (OK-Z035) KIOWA, (OK-Z036) JACKSON, (OK-Z037) TILLMAN, (OK-Z038) COMANCHE, (OK-Z039) STEPHENS, (OK-Z041) MURRAY, (OK-Z044) COTTON, (OK-Z045) JEFFERSON, (OK-Z046) CARTER, (OK-Z047) JOHNSTON, (OK-Z050) LOVE, (OK-Z051) MARSHALL

Some rainfall events occurred during May, but with a heavy bias toward central Oklahoma near the I-35 corridor, where drought conditions continued to improve. Drought was eliminated for the first time since June 2012 in and around the Oklahoma City metro area, extending southeast toward Ada and Atoka. However, extreme to exceptional drought persisted over much of western Oklahoma, including some worsening along the border with the Texas Panhandle.

of moderate to strong instability and weak deep-layer wind shear. These storms produced numerous reports of marginally-severe hail

05/07/13 18:04 CST

05/07/13 18:04 CST

KIOWA COUNTY ROOSEVELT [34.85]	, -99.02]			
	05/01/13 14:40 CST	0	Hail (1.75 in)	
	05/01/13 14:40 CST	0	Source: Other Federal Agency	
Reported via nssl Shave Project.				
KIOWA COUNTY ROOSEVELT [34.85]	, -99.02]			
•	05/01/13 14:54 CST	0	Hail (1.75 in)	
	05/01/13 14:54 CST	0	Source: Amateur Radio	
KIOWA COUNTY ROOSEVELT [34.85]	99.021			
•	05/01/13 14:58 CST	0	Thunderstorm Wind (EG 52 kt)	
	05/01/13 14:58 CST	0	Source: Amateur Radio	
Estimated by amateur radio operator.				
KIOWA COUNTY ROOSEVELT [34.85]	, -99.02]			
	05/01/13 15:00 CST	0	Hail (1.75 in)	
	05/01/13 15:00 CST	0	Source: Amateur Radio	
Pea to golfball size hail fell from 1500-153	30 CST.			
KIOWA COUNTY 1.8 NE COLD SPRIN	IGS [34.82, -98.98]			
	05/01/13 15:14 CST	0	Hail (1.75 in)	
	05/01/13 15:14 CST	0	Source: Trained Spotter	
FILLMAN COUNTY MANITOU [34.51,	-98.98]			
	05/01/13 15:54 CST	0	Hail (1.00 in)	
	05/01/13 15:54 CST	0	Source: Trained Spotter	
FILLMAN COUNTY 0.6 E FREDERICK	[34.39, -99.01]			
	05/01/13 15:58 CST	0	Hail (1.00 in)	

0

0

WOODWARD COUNTY --- 7.8 ESE MUTUAL [36.19, -99.04]

HARPER COUNTY --- 3.9 NE LAVERNE [36.75, -99.85]

and a few damaging wind gusts.

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Hail (1.00 in)

Source: Trained Spotter

Deaths &

Property &

Event Type and Details

Date/Time

Location

Location	Date/Time	Injuries	Crop Dmg	Event Type and Details
	05/07/13 21:10 CST		0	Thunderstorm Wind (MG 59 kt)
	05/07/13 21:10 CST		0	Source: Mesonet
Modest instability and moisture existed be of the southern High Plains during the late eastern Oklahoma Panhandle and tracked of Laverne.	afternoon. While most of the ac	tivity remained in	Kansas, a lone cel	Il developed over the far
	N 105 07 00 101			
ROGER MILLS COUNTY 3.9 NW HAMMO	05/08/13 14:30 CST		0	Hail (1.00 in)
	05/08/13 14:30 CST		0	Source: Storm Chaser
DEWEY COUNTY 2.1 SSW LEEDEY [35.8				11.77 (0.00)
	05/08/13 15:20 CST 05/08/13 15:20 CST		0	Hail (2.00 in) Source: Trained Spotter
	03/06/13 13.20 C31		O	Source. Trained Spotter
Spotters reported 2" hail at this time, as well	as 1.5" hail 8 minutes earlier.			
CANADIAN COUNTY 9.4 WSW CALUME	T [35.54, -98.27]			
	05/08/13 16:02 CST		0	Hail (1.00 in)
	05/08/13 16:02 CST		0	Source: Trained Spotter
CANADIAN COUNTY 0.9 SW OKARCHE	[35.7297.99]			
	05/08/13 16:06 CST		0	Hail (1.25 in)
	05/08/13 16:06 CST		0	Source: Trained Spotter
CUSTER COUNTY 1.8 WNW THOMAS [3:	5 76 00 701			
CUSTER COUNTY 1.0 WNW THOMAS [3:	05/08/13 16:08 CST		0	Hail (2.00 in)
	05/08/13 16:08 CST		0	Source: Trained Spotter
CUSTER COUNTY 1.8 WNW THOMAS [3:	5 76 .98 781			
occident inclination	05/08/13 16:35 CST		0	Hail (2.00 in)
	05/08/13 16:35 CST		0	Source: Storm Chaser
CANADIAN COUNTY 44 0 COM CALLING	T 105 45 00 001			
CANADIAN COUNTY 11.8 SSW CALUME	05/08/13 16:37 CST		0	Hail (2.00 in)
	05/08/13 16:37 CST		0	Source: Storm Chaser
DEWEY COUNTY 4.5 W SEILING [36.15,	-99.00] 05/08/13 16:45 CST		0	Hail (1.00 in)
	05/08/13 16:45 CST		0	Source: Storm Chaser
DEWEY COUNTY 3.4 W SEILING [36.15,	-		0	Hoil (2.50 in)
	05/08/13 16:55 CST 05/08/13 16:55 CST		0	Hail (2.50 in) Source: Storm Chaser
	03/00/13 10:33 001		O	Cource. Clothi Chasei
BLAINE COUNTY 1.3 ESE EAGLE CITY [•			
	05/08/13 17:03 CST		0	Hail (1.00 in)
	05/08/13 17:03 CST		0	Source: Storm Chaser
CANADIAN COUNTY 9.1 S CALUMET [35	5.47, -98.14]			
•	05/08/13 17:04 CST		0	Hail (2.60 in)
	05/08/13 17:04 CST		0	Source: Storm Chaser
MAJOR COUNTY 0.7 S CHESTER [36.21,	98.921			
	05/08/13 17:06 CST		0	Hail (1.75 in)
	05/08/13 17:06 CST		0	Source: Storm Chaser

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
CANADIAN COUNTY 5.5 WSW EL RENO [35.50,	=			
	05/08/13 17:10 CST		0	Hail (1.50 in)
	05/08/13 17:10 CST		0	Source: Storm Chaser
MAJOR COUNTY 1.4 S CHESTER [36.20, -98.92	=			
	05/08/13 17:11 CST		0	Hail (2.00 in)
	05/08/13 17:11 CST		0	Source: Trained Spotter
WOODWARD COUNTY 0.7 S QUINLAN [36.44, -	99.05]			
	05/08/13 17:13 CST		0	Hail (1.50 in)
	05/08/13 17:13 CST		0	Source: Trained Spotter
CANADIAN COUNTY 4.5 W EL RENO [35.53, -98	3.04]			
	05/08/13 17:31 CST		0	Hail (1.75 in)
	05/08/13 17:31 CST		0	Source: Trained Spotter
MAJOR COUNTY 2.8 W ORION [36.22, -98.83]				
, ,	05/08/13 17:35 CST		0	Hail (3.00 in)
	05/08/13 17:35 CST		0	Source: Trained Spotter
Several reports of tennis ball to tea cup size hail in t	his area between 5:30-5:40	pm LST.		
CADDO COUNTY 4.2 S WASHITA [35.04, -98.33]]			
	05/08/13 17:45 CST		0	Hail (1.00 in)
	05/08/13 17:45 CST		0	Source: Fire Department/Rescue
CADDO COUNTY 2.6 WNW ANADARKO [35.10,	-98 281			
2.0 11111 74101274410 [00.110,	05/08/13 17:50 CST		0	Hail (2.00 in)
	05/08/13 17:50 CST		0	Source: Public
CADDO COUNTY 0.6 E WASHITA [35.10, -98.33]	1			
• ,	05/08/13 17:53 CST		0	Hail (1.50 in)
	05/08/13 17:53 CST		0	Source: Emergency Manager
CADDO COUNTY 6.2 S FT COBB [35.01, -98.44]				
	05/08/13 17:55 CST		0	Hail (1.75 in)
	05/08/13 17:55 CST		0	Source: Amateur Radio
WOODWARD COUNTY MOORELAND [36.44, -9:	9.211			
,,,	05/08/13 18:03 CST		0	Hail (1.75 in)
	05/08/13 18:03 CST		0	Source: Public
Also reported 1" hail 8 minutes earlier.				
CADDO COUNTY 2.6 WNW ANADARKO [35.10,	-98.28]			
·	05/08/13 18:09 CST		0	Hail (2.00 in)
	05/08/13 18:09 CST		0	Source: Emergency Manager
CADDO COUNTY 1.4 S GRACEMONT [35.17, -96	8.26]			
- ,	05/08/13 18:17 CST		0	Hail (2.75 in)
	05/08/13 18:17 CST		0	Source: Emergency Manager
Also reported 1.5" hail 4 minutes earlier.				
CADDO COUNTY BINGER [35.31, -98.34]				
	05/08/13 18:36 CST		0	Hail (1.75 in)
	05/08/13 18:36 CST		0	Source: Emergency Manager

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CADDO COUNTY 0.7 S ANADARKO [35.07, -98.24] 0.608/13.18.50 CST 0.608/13.18.50 CST 0.800/13.18.50 CST	Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
OSOBER 1 18.50 CST	CADDO COUNTY 0.7 S ANADARKO [35.0				
Power lines reported down in Anadarko. WOODS COUNTY — 0.7 S WAYNOKA [36.58, 49.88] 05/09/13 19:10 CST 0 Source: COOP Observer GRADY COUNTY — 4.0 SE MINCO [35.27, 47.89] 05/09/13 19:16 CST 0 Source: COOP Observer GRADY COUNTY — 4.0 SE MINCO [35.27, 47.89] 05/09/13 19:16 CST 0 Source: Broadcast Media Tomado (EFO, L: 0.10 mi, W: 50 yd) Source: Broadcast Media Tomado (EFO, L: 0.10 mi, W: 50 yd) Source: Broadcast Media Tomado (EFO, L: 0.10 mi, W: 50 yd) Source: Broadcast Media Tomado (EFO, L: 0.10 mi, W: 50 yd) Source: Broadcast Media Tomado (EFO, L: 0.10 mi, W: 50 yd) Source: Broadcast Media Tomado (EFO, L: 0.10 mi, W: 50 yd) Source: Broadcast Media Tomado (EFO, L: 0.10 mi, W: 50 yd) Source: Broadcast Media Tomado (EFO, L: 0.10 mi, W: 50 yd) Source: Broadcast Media Tomado (EFO, L: 0.10 mi, W: 50 yd) Source: Broadcast Media Tomado (EFO, L: 0.10 mi, W: 50 yd) Source: COOP Observer STEPHENS COUNTY — 9.1 n QuinkLan (35.58, 49.02) 05/09/13 19:27 CST 0 Hail (1.75 in) Source: Arnateur Radio Power lines reported down along a country road. STEPHENS COUNTY — 1.5 nnw DUNGAN (34.52, 49.79) 05/09/13 19:30 CST 0 Hail (1.00 in) 05/09/13 19:30 CST 0 Source: Public WOODS COUNTY — 5.3 SW HOPETON (36.53, 49.754) 05/09/13 19:51 CST 0 Source: COOP Observer CLEVELAND COUNTY — 2.8 W MOORE (35.34, 47.54) 05/09/13 19:51 CST 0 Source: Public CLEVELAND COUNTY — 2.7 NW EDMOND (35.71, 47.56) 05/09/13 21:37 CST 0 Hail (1.00 in) 05/09/13 21:45 CST 0 Source: Public OKLAHOMA COUNTY — 2.7 NW EDMOND (35.71, 47.56) 05/09/13 21:45 CST 0 Source: Public LINCOLN COUNTY — 2.1 SSW SEWARD (35.77, 47.59) 05/09/13 21:45 CST 0 Hail (1.75 in) 05/09/13 21:45 CST 0 Source: Public					,
WOODS COUNTY 0.7 5 WAYNOKA [36.58, -98.88] 65/08/13 19:10 CST 0 Hail (1.75 in) Source: COOP Observer		05/08/13 18:50 CST		0	Source: Amateur Radio
OS/08/13 19:10 CST O	Power lines reported down in Anadarko.				
OS08/13 19:10 CST O	WOODS COUNTY 0.7 S WAYNOKA [36.58	· =			
GRADY COUNTY 4.0 SE MINCO [35.27, -97.89] 05/08/13 19:18 CST 05/08/13 19:27 CST 05/08/13 19:27 CST 05/08/13 19:27 CST 05/08/13 19:20 CST 05/08/13 19:20 CST 05/08/13 19:30 CST 05/08					,
OSIGR/15 19:18 CST		05/08/13 19:10 CST		0	Source: COOP Observer
OSIGN/13 19-18 CST	GRADY COUNTY 4.0 SE MINCO [35.27, -9				T
Brief tomado reported by KWTV and a Spotter Network storm chaser. WOODWARD COUNTY 9.1 N QUINLAN [36.58, 99.02]					
MOODWARD COUNTY 9.1 N QUINLAN [36.58, -99.02] 05/08/13 19:27 CST 0 Hall (1.75 in) 05/08/13 19:27 CST 0 Source: COOP Observer STEPHENS COUNTY 0.9 NW SUNRAY [34.43, -97.97] 05/08/13 19:30 CST 10/K Thunderstorm Wind (EG 52 kt) 05/08/13 19:30 CST 0 Source: Amateur Radio Power lines reported down along a country road.		05/08/13 19:18 CST		0	Source: Broadcast Media
05/08/13 19:27 CST 0 Hail (1.75 in) 05/08/13 19:27 CST 0 Source: COOP Observer STEPHENS COUNTY 0.9 NW SUNRAY [34.43, -97.97] 05/08/13 19:30 CST 10K Thunderstorm Wind (EG 52 kt) 05/08/13 19:30 CST 0 Source: Amateur Radio Power lines reported down along a country road. STEPHENS COUNTY 1.5 NNW DUNCAN [34.52, -97.97] 05/08/13 19:30 CST 0 Hail (1.00 in) 05/08/13 19:30 CST 0 Source: Public WOODS COUNTY 5.3 SW HOPETON [36.63, -98.73] 05/08/13 19:51 CST 0 Hail (1.25 in) 05/08/13 19:51 CST 0 Source: COOP Observer CLEVELAND COUNTY 2.8 W MOORE [35.34, -97.64] 05/08/13 20:50 CST 0 Source: COOP Observer CLEVELAND COUNTY 2.8 W MOORE [35.34, -97.54] 05/08/13 20:50 CST 0 Source: Public Reported half a mile east of 119th and Western. Also numerous reports of 1" hail around Moore between 8:43-8:53pm LST. ELLIS COUNTY 2.2 E GAGE [36.32, -99.72] 05/08/13 21:37 CST 0 Hail (1.00 in) 05/08/13 21:37 CST 0 Hail (1.00 in) 05/08/13 21:37 CST 0 Source: Public OKLAHOMA COUNTY 5.7 NW EDMOND [35.71, -97.55] 05/08/13 21:37 CST 0 Source: NWS Employee LOGAN COUNTY 2.1 SSW SEWARD [35.77, -97.50] 05/08/13 22:10 CST 0 Source: Public	Brief tornado reported by KWTV and a Spotte	r Network storm chaser.			
O5/08/13 19:27 CST	WOODWARD COUNTY 9.1 N QUINLAN [3				
STEPHENS COUNTY 0.9 NW SUNRAY [34.43, -97.97] 05/08/13 19:30 CST 10K Thunderstorm Wind (EG 52 kt) 05/08/13 19:30 CST 0 Source: Amateur Radio					•
05/08/13 19:30 CST		05/08/13 19:27 CST		0	Source: COOP Observer
O5/08/13 19:30 CST	STEPHENS COUNTY 0.9 NW SUNRAY [34	· ·			
Power lines reported down along a country road. STEPHENS COUNTY 1.5 NNW DUNCAN [34.52, -97.97] 05/08/13 19:30 CST 0					
STEPHENS COUNTY 1.5 NNW DUNCAN [34.52, -97.97]		05/08/13 19:30 CST		0	Source: Amateur Radio
05/08/13 19:30 CST 0	Power lines reported down along a country ro	ad.			
### WOODS COUNTY 5.3 SW HOPETON [36.63, -98.73] ### O5/08/13 19:51 CST ### O5/08/13 20:50 CST ### O5/08/13 21:37 CST ### O5/08/13 21:35 CST ### O5/08/13 21:45 CST ### O5/08/13 22:10 CST #	STEPHENS COUNTY 1.5 NNW DUNCAN [
WOODS COUNTY 5.3 SW HOPETON [36.63, -98.73] 05/08/13 19:51 CST 0					
05/08/13 19:51 CST 0 Hail (1.25 in) 05/08/13 19:51 CST 0 Source: COOP Observer CLEVELAND COUNTY 2.8 W MOORE [35.34, -97.54] 05/08/13 20:50 CST 0 Hail (2.25 in) 05/08/13 20:50 CST 0 Source: Public Reported half a mile east of 119th and Western. Also numerous reports of 1" hail around Moore between 8:43-8:53pm LST. ELLIS COUNTY 2.2 E GAGE [36.32, -99.72] 05/08/13 21:37 CST 0 Hail (1.00 in) 05/08/13 21:37 CST 0 Source: Public OKLAHOMA COUNTY 5.7 NW EDMOND [35.71, -97.55] 05/08/13 21:45 CST 0 Hail (1.00 in) 05/08/13 21:45 CST 0 Source: NWS Employee		05/08/13 19:30 CST		0	Source: Public
05/08/13 19:51 CST 0 Source: COOP Observer CLEVELAND COUNTY 2.8 W MOORE [35.34, -97.54] 05/08/13 20:50 CST 0 Hail (2.25 in) 05/08/13 20:50 CST 0 Source: Public Reported half a mile east of 119th and Western. Also numerous reports of 1" hail around Moore between 8:43-8:53pm LST. ELLIS COUNTY 2.2 E GAGE [36.32, -99.72] 05/08/13 21:37 CST 0 Hail (1.00 in) 05/08/13 21:37 CST 0 Source: Public OKLAHOMA COUNTY 5.7 NW EDMOND [35.71, -97.55] 05/08/13 21:45 CST 0 Hail (1.00 in) 05/08/13 21:45 CST 0 Source: NWS Employee LOGAN COUNTY 2.1 SSW SEWARD [35.77, -97.50] 05/08/13 22:10 CST 0 Hail (1.75 in) 05/08/13 22:10 CST 0 Source: Public	WOODS COUNTY 5.3 SW HOPETON [36.6	53, -98.73]			
CLEVELAND COUNTY 2.8 W MOORE [35.34, -97.54] 05/08/13 20:50 CST 0 Source: Public Reported half a mile east of 119th and Western. Also numerous reports of 1" hail around Moore between 8:43-8:53pm LST. ELLIS COUNTY 2.2 E GAGE [36.32, -99.72] 05/08/13 21:37 CST 0 Hail (1.00 in) 05/08/13 21:37 CST 0 Source: Public OKLAHOMA COUNTY 5.7 NW EDMOND [35.71, -97.55] 05/08/13 21:45 CST 0 Source: NWS Employee LOGAN COUNTY 2.1 SSW SEWARD [35.77, -97.50] 05/08/13 22:10 CST 0 Source: Public				0	
05/08/13 20:50 CST 0 Hail (2.25 in) 05/08/13 20:50 CST 0 Source: Public Reported half a mile east of 119th and Western. Also numerous reports of 1" hail around Moore between 8:43-8:53pm LST. ELLIS COUNTY 2.2 E GAGE [36.32, -99.72] 05/08/13 21:37 CST 0 Hail (1.00 in) 05/08/13 21:37 CST 0 Source: Public OKLAHOMA COUNTY 5.7 NW EDMOND [35.71, -97.55] 05/08/13 21:45 CST 0 Hail (1.00 in) 05/08/13 21:45 CST 0 Source: NWS Employee LOGAN COUNTY 2.1 SSW SEWARD [35.77, -97.50] 05/08/13 22:10 CST 0 Hail (1.75 in) 05/08/13 22:10 CST 0 Source: Public		05/08/13 19:51 CST		0	Source: COOP Observer
05/08/13 20:50 CST 0 Source: Public Reported half a mile east of 119th and Western. Also numerous reports of 1" hail around Moore between 8:43-8:53pm LST. ELLIS COUNTY 2.2 E GAGE [36.32, -99.72] 05/08/13 21:37 CST 0 Hail (1.00 in) 05/08/13 21:37 CST 0 Source: Public OKLAHOMA COUNTY 5.7 NW EDMOND [35.71, -97.55] 05/08/13 21:45 CST 0 Hail (1.00 in) 05/08/13 21:45 CST 0 Source: NWS Employee LOGAN COUNTY 2.1 SSW SEWARD [35.77, -97.50] 05/08/13 22:10 CST 0 Hail (1.75 in) 05/08/13 22:10 CST 0 Source: Public	CLEVELAND COUNTY 2.8 W MOORE [35.	34, -97.54]			
Reported half a mile east of 119th and Western. Also numerous reports of 1" hail around Moore between 8:43-8:53pm LST. ELLIS COUNTY 2.2 E GAGE [36.32, -99.72] 05/08/13 21:37 CST		05/08/13 20:50 CST		0	Hail (2.25 in)
ELLIS COUNTY 2.2 E GAGE [36.32, -99.72] 05/08/13 21:37 CST		05/08/13 20:50 CST		0	Source: Public
05/08/13 21:37 CST 0 Hail (1.00 in) 05/08/13 21:37 CST 0 Source: Public OKLAHOMA COUNTY 5.7 NW EDMOND [35.71, -97.55] 05/08/13 21:45 CST 0 Hail (1.00 in) 05/08/13 21:45 CST 0 Source: NWS Employee LOGAN COUNTY 2.1 SSW SEWARD [35.77, -97.50] 05/08/13 22:10 CST 0 Hail (1.75 in) 05/08/13 22:10 CST 0 Source: Public	Reported half a mile east of 119th and Wester	rn. Also numerous reports of 1" h	nail around Moore	between 8:43-8:53p	om LST.
05/08/13 21:37 CST 0 Source: Public OKLAHOMA COUNTY 5.7 NW EDMOND [35.71, -97.55] 05/08/13 21:45 CST 0 Hail (1.00 in) 05/08/13 21:45 CST 0 Source: NWS Employee LOGAN COUNTY 2.1 SSW SEWARD [35.77, -97.50] 05/08/13 22:10 CST 0 Hail (1.75 in) 05/08/13 22:10 CST 0 Source: Public	ELLIS COUNTY 2.2 E GAGE [36.32, -99.72]			
OKLAHOMA COUNTY 5.7 NW EDMOND [35.71, -97.55] 05/08/13 21:45 CST 0 Hail (1.00 in) 05/08/13 21:45 CST 0 Source: NWS Employee LOGAN COUNTY 2.1 SSW SEWARD [35.77, -97.50] 05/08/13 22:10 CST 0 Hail (1.75 in) 05/08/13 22:10 CST 0 Source: Public		05/08/13 21:37 CST		0	
05/08/13 21:45 CST 0 Hail (1.00 in) 05/08/13 21:45 CST 0 Source: NWS Employee LOGAN COUNTY 2.1 SSW SEWARD [35.77, -97.50] 05/08/13 22:10 CST 0 Hail (1.75 in) 05/08/13 22:10 CST 0 Source: Public		05/08/13 21:37 CST		0	Source: Public
05/08/13 21:45 CST 0 Source: NWS Employee LOGAN COUNTY 2.1 SSW SEWARD [35.77, -97.50] 05/08/13 22:10 CST 0 Hail (1.75 in) 05/08/13 22:10 CST 0 Source: Public	OKLAHOMA COUNTY 5.7 NW EDMOND [:	35.71, -97.55]			
LOGAN COUNTY 2.1 SSW SEWARD [35.77, -97.50] 05/08/13 22:10 CST 0 Hail (1.75 in) 05/08/13 22:10 CST 0 Source: Public LINCOLN COUNTY 2.7 NW CHANDLER [35.74, -96.91]		05/08/13 21:45 CST		0	Hail (1.00 in)
05/08/13 22:10 CST 0 Hail (1.75 in) 05/08/13 22:10 CST 0 Source: Public LINCOLN COUNTY 2.7 NW CHANDLER [35.74, -96.91]		05/08/13 21:45 CST		0	Source: NWS Employee
05/08/13 22:10 CST 0 Hail (1.75 in) 05/08/13 22:10 CST 0 Source: Public LINCOLN COUNTY 2.7 NW CHANDLER [35.74, -96.91]	LOGAN COUNTY 2.1 SSW SEWARD [35.7	7, -97.50]			
LINCOLN COUNTY 2.7 NW CHANDLER [35.74, -96.91]	•			0	Hail (1.75 in)
		05/08/13 22:10 CST		0	Source: Public
	LINCOLN COUNTY 2.7 NW CHANDLER 13	5.74, -96.911			
				0	Hail (1.00 in)
05/08/13 22:53 CST 0 Source: Emergency Manager		05/08/13 22:53 CST		0	Source: Emergency Manager

A dryline was located from western Kansas through the Texas Panhandle during the afternoon, with a moist, unstable airmass in place over Oklahoma as a shortwave trough approached. Numerous thunderstorms developed during the mid- to late-afternoon hours over much of western and central Oklahoma, with some displaying supercell characteristics at times. Widespread large hail was reported,

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
some significant, along with isolated damagin	g winds.			
IOWA COUNTY SNYDER [34.66, -98.95]				
	05/09/13 16:00 CST		0	Tornado (EF0, L: 0.10 mi , W: 10 yd)
	05/09/13 16:00 CST		0	Source: Broadcast Media
brief, weak landspout tornado was observed in	n Snyder. This tornado caused min	or damage to a	carport. The time	of this tornado is estimated.
ADDO COUNTY 2.9 ESE CARNEGIE [35.09	9, -98.55]			
	05/09/13 16:36 CST		0	Hail (1.00 in)
	05/09/13 16:36 CST		0	Source: Amateur Radio
ADDO COUNTY 3.2 NNW FT COBB RES D	АМ [35.20, -98.48] 05/09/13 16:44 CST		0	Hail (1.50 in)
	05/09/13 16:44 CST		0	Source: Emergency Manager
ACKSON COUNTY 9.0 SSW ALTUS [34.52,	, -99.39]			
	05/09/13 17:21 CST		0	Tornado (EF0, L: 0.10 mi , W: 20 yd)
	05/09/13 17:21 CST		0	Source: Public
a resident photographed a brief landspout torna	do in Jackson County to the south-	southwest of Al	tus. No damage w	vas reported.
ACKSON COUNTY 2.8 NNE HESS [34.50, -	99.26]			
	05/09/13 17:47 CST		0	Hail (1.00 in)
	05/09/13 17:47 CST		0	Source: Trained Spotter
ACKSON COUNTY 3.6 NE HESS [34.50, -99	221			
ACKSON COUNTY 3.6 NE HESS [34.50, -98	=			11 7 (4 00 :)
	05/09/13 17:47 CST		0	Hail (1.00 in)
	05/09/13 17:47 CST 05/09/13 17:47 CST		0	Hail (1.00 in) Source: Trained Spotter
				Hall (1.00 in) Source: Trained Spotter
Accompanied by heavy rain.				,
N weak frontal boundary was quasi-stationary ounds of thunderstorms occurred throughou	05/09/13 17:47 CST near the I-40 corridor through the the afternoon and evening acros	ss the southern	0 st and unstable a	Source: Trained Spotter
A weak frontal boundary was quasi-stationary ounds of thunderstorms occurred throughousub-severe, due to weak deep-layer wind shea	05/09/13 17:47 CST The near the I-40 corridor through the the afternoon and evening acrosur, but a few produced marginally.	ss the southern	0 st and unstable a half of Oklahom	Source: Trained Spotter sir to its south. Several a. Most were
weak frontal boundary was quasi-stationary ounds of thunderstorms occurred throughou ub-severe, due to weak deep-layer wind shea	05/09/13 17:47 CST The near the I-40 corridor through the the afternoon and evening acrosur, but a few produced marginally- 7.51] 05/15/13 13:26 CST	ss the southern	0 st and unstable a half of Oklahoma	Source: Trained Spotter iir to its south. Several a. Most were Hail (1.00 in)
weak frontal boundary was quasi-stationary bunds of thunderstorms occurred throughou ub-severe, due to weak deep-layer wind shea	05/09/13 17:47 CST The near the I-40 corridor through the the afternoon and evening acrosur, but a few produced marginally.	ss the southern	0 st and unstable a half of Oklahom	Source: Trained Spotter sir to its south. Several a. Most were
weak frontal boundary was quasi-stationary ounds of thunderstorms occurred throughou ub-severe, due to weak deep-layer wind shea	05/09/13 17:47 CST Inear the I-40 corridor through the the afternoon and evening acrosur, but a few produced marginally- 7.51] 05/15/13 13:26 CST 05/15/13 13:26 CST	ss the southern	0 st and unstable a half of Oklahoma	Source: Trained Spotter iir to its south. Several a. Most were Hail (1.00 in)
weak frontal boundary was quasi-stationary ounds of thunderstorms occurred throughou ub-severe, due to weak deep-layer wind shea	05/09/13 17:47 CST Inear the I-40 corridor through the the afternoon and evening acrosur, but a few produced marginally- 7.51] 05/15/13 13:26 CST 05/15/13 13:26 CST	ss the southern	0 st and unstable a half of Oklahoma	Source: Trained Spotter iir to its south. Several a. Most were Hail (1.00 in)
weak frontal boundary was quasi-stationary ounds of thunderstorms occurred throughou ub-severe, due to weak deep-layer wind shea ARTER COUNTY RATLIFF CITY [34.45, -97	05/09/13 17:47 CST Inear the I-40 corridor through the the afternoon and evening acrosur, but a few produced marginally- 7.51] 05/15/13 13:26 CST 05/15/13 13:26 CST	ss the southern	ost and unstable a half of Oklahom	Source: Trained Spotter iir to its south. Several a. Most were Hail (1.00 in) Source: Post Office
weak frontal boundary was quasi-stationary ounds of thunderstorms occurred throughou ub-severe, due to weak deep-layer wind sheat ARTER COUNTY RATLIFF CITY [34.45, -97]	05/09/13 17:47 CST Inear the I-40 corridor through the tithe afternoon and evening acrosur, but a few produced marginally- 7.51] 05/15/13 13:26 CST 05/15/13 14:33 CST 05/15/13 14:33 CST	ss the southern	st and unstable a half of Oklahom	Source: Trained Spotter iir to its south. Several a. Most were Hail (1.00 in) Source: Post Office Hail (1.00 in)
A weak frontal boundary was quasi-stationary ounds of thunderstorms occurred throughous ub-severe, due to weak deep-layer wind sheat CARTER COUNTY RATLIFF CITY [34.45, -97]	05/09/13 17:47 CST Inear the I-40 corridor through the tithe afternoon and evening acrosur, but a few produced marginally- 7.51] 05/15/13 13:26 CST 05/15/13 14:33 CST 05/15/13 14:33 CST	ss the southern	st and unstable as half of Oklahom	Source: Trained Spotter stir to its south. Several a. Most were Hail (1.00 in) Source: Post Office Hail (1.00 in) Source: Public
weak frontal boundary was quasi-stationary ounds of thunderstorms occurred throughou ub-severe, due to weak deep-layer wind sheat ARTER COUNTY RATLIFF CITY [34.45, -97]	05/09/13 17:47 CST Inear the I-40 corridor through the the afternoon and evening acrosur, but a few produced marginally- 7.51] 05/15/13 13:26 CST 05/15/13 14:33 CST 05/15/13 14:33 CST 05/15/13 17:05 CST	ss the southern	st and unstable at half of Oklahom:	Source: Trained Spotter iir to its south. Several a. Most were Hail (1.00 in) Source: Post Office Hail (1.00 in) Source: Public Hail (1.00 in)
weak frontal boundary was quasi-stationary bunds of thunderstorms occurred throughout ub-severe, due to weak deep-layer wind sheat ARTER COUNTY RATLIFF CITY [34.45, -97]	05/09/13 17:47 CST Inear the I-40 corridor through the tithe afternoon and evening acrosur, but a few produced marginally- 7.51] 05/15/13 13:26 CST 05/15/13 14:33 CST 05/15/13 14:33 CST	ss the southern	st and unstable as half of Oklahom	Source: Trained Spotter stir to its south. Several a. Most were Hail (1.00 in) Source: Post Office Hail (1.00 in) Source: Public
weak frontal boundary was quasi-stationary bunds of thunderstorms occurred throughout ub-severe, due to weak deep-layer wind sheat CARTER COUNTY RATLIFF CITY [34.45, -97] FARTER COUNTY RATLIFF CITY [34.45, -97] EFFERSON COUNTY RYAN [34.02, -97.95]	05/09/13 17:47 CST In near the I-40 corridor through the the afternoon and evening across, but a few produced marginally- 7.51] 05/15/13 13:26 CST 05/15/13 13:26 CST 7.51] 05/15/13 14:33 CST 05/15/13 17:05 CST 05/15/13 17:05 CST	ss the southern	st and unstable a half of Oklahom	Source: Trained Spotter iir to its south. Several a. Most were Hail (1.00 in) Source: Post Office Hail (1.00 in) Source: Public Hail (1.00 in) Source: Trained Spotter
weak frontal boundary was quasi-stationary ounds of thunderstorms occurred throughout ub-severe, due to weak deep-layer wind sheat CARTER COUNTY RATLIFF CITY [34.45, -97] CARTER COUNTY RATLIFF CITY [34.45, -97] EFFERSON COUNTY RYAN [34.02, -97.95]	05/09/13 17:47 CST In near the I-40 corridor through the the afternoon and evening across, but a few produced marginally- 7.51] 05/15/13 13:26 CST 05/15/13 13:26 CST 7.51] 05/15/13 14:33 CST 05/15/13 14:33 CST 05/15/13 17:05 CST	ss the southern	st and unstable at half of Oklahom:	Source: Trained Spotter iir to its south. Several a. Most were Hail (1.00 in) Source: Post Office Hail (1.00 in) Source: Public Hail (1.00 in)
Accompanied by heavy rain. A weak frontal boundary was quasi-stationary ounds of thunderstorms occurred throughout sub-severe, due to weak deep-layer wind sheat CARTER COUNTY RATLIFF CITY [34.45, -97] CARTER COUNTY RATLIFF CITY [34.45, -97] DEFFERSON COUNTY RYAN [34.02, -97.95] PONTOTOC COUNTY 1.8 WNW ADA [34.78, An F0 tornado developed just west of the city limit outh and trees were snapped or uprooted along	05/09/13 17:47 CST Inear the I-40 corridor through the the afternoon and evening across ar, but a few produced marginally- 7.51] 05/15/13 13:26 CST 05/15/13 13:26 CST 7.51] 05/15/13 14:33 CST 05/15/13 17:05 CST 05/15/13 17:05 CST -96.71], 1.5 NW ADA [34.78, -96.7 05/15/13 17:34 CST 05/15/13 17:35 CST	es the southern	st and unstable a half of Oklahom 0 0 0 0 0 20K 0	Source: Trained Spotter iir to its south. Several a. Most were Hail (1.00 in) Source: Post Office Hail (1.00 in) Source: Public Hail (1.00 in) Source: Trained Spotter Tornado (EF0, L: 0.50 mi , W: 50 yd) Source: NWS Storm Survey
A weak frontal boundary was quasi-stationary ounds of thunderstorms occurred throughout out-severe, due to weak deep-layer wind sheat CARTER COUNTY RATLIFF CITY [34.45, -97] CARTER COUNTY RATLIFF CITY [34.45, -97] DEFFERSON COUNTY RYAN [34.02, -97.95] PONTOTOC COUNTY 1.8 WNW ADA [34.78, an F0 tornado developed just west of the city limitath and trees were snapped or uprooted along	05/09/13 17:47 CST In near the I-40 corridor through the the afternoon and evening across ar, but a few produced marginally- 7.51] 05/15/13 13:26 CST 05/15/13 13:26 CST 7.51] 05/15/13 14:33 CST 05/15/13 17:05 CST 05/15/13 17:05 CST -96.71], 1.5 NW ADA [34.78, -96.7 05/15/13 17:34 CST 05/15/13 17:35 CST nits Ada and moved northeast about the path.	es the southern	st and unstable a half of Oklahoma 0 0 0 0 0 20K 0	Source: Trained Spotter iir to its south. Several a. Most were Hail (1.00 in) Source: Post Office Hail (1.00 in) Source: Public Hail (1.00 in) Source: Trained Spotter Tornado (EF0, L: 0.50 mi , W: 50 yd) Source: NWS Storm Survey
A weak frontal boundary was quasi-stationary ounds of thunderstorms occurred throughout out-severe, due to weak deep-layer wind sheat CARTER COUNTY RATLIFF CITY [34.45, -97] CARTER COUNTY RATLIFF CITY [34.45, -97] DEFFERSON COUNTY RYAN [34.02, -97.95] PONTOTOC COUNTY 1.8 WNW ADA [34.78, An F0 tornado developed just west of the city lim	05/09/13 17:47 CST In near the I-40 corridor through the the afternoon and evening across ar, but a few produced marginally- 7.51] 05/15/13 13:26 CST 05/15/13 13:26 CST 7.51] 05/15/13 14:33 CST 05/15/13 17:05 CST 05/15/13 17:05 CST -96.71], 1.5 NW ADA [34.78, -96.7 05/15/13 17:34 CST 05/15/13 17:35 CST nits Ada and moved northeast about the path.	es the southern	st and unstable a half of Oklahoma 0 0 0 0 0 20K 0	Source: Trained Spotter iir to its south. Several a. Most were Hail (1.00 in) Source: Post Office Hail (1.00 in) Source: Public Hail (1.00 in) Source: Trained Spotter Tornado (EF0, L: 0.50 mi , W: 50 yd) Source: NWS Storm Survey

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One trailer collapsed and had its roof blown off at Sandy Creek Trailer Park. Seven other trailers also were damaged.

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
PONTOTOC COUNTY 2.7 NW STONEWAI				
	05/15/13 17:45 CST		70K	Thunderstorm Wind (EG 56 kt)
	05/15/13 17:45 CST		0	Source: Amateur Radio
A dozen power lines were downed, along with	n large tree limbs. Time estimated	I from radar.		
A weak upper-level low was centered over v southern Oklahoma. Combined with substa generally along and southeast of the I-44 co	ntial low-level shear, this allowe	d supercells to de	evelop during the	mid-afternoon hours,
HARMON COUNTY 3.4 W GOULD [34.67,				
	05/18/13 04:50 CST		0	Thunderstorm Wind (MG 60 kt)
	05/18/13 04:50 CST		0	Source: Mesonet
Mesonet station at Hollis reported a gust to 69	9 mph.			
Decaying thunderstorms over the Texas Paresselting in severe wind gusts in Harmon C		est Oklahoma dur	ing the early morn	ing hours of the 18th,
JACKSON COUNTY 9.1 W ELDORADO [3			0	Hail (4.75 in)
	05/18/13 15:33 CST		0	Hail (1.75 in)
	05/18/13 15:33 CST		0	Source: Public
HARMON COUNTY GOULD [34.67, -99.77	1			
•	05/18/13 15:45 CST		0	Hail (2.50 in)
	05/18/13 15:45 CST		0	Source: Public
Relayed by local media (Kswo).				
JACKSON COUNTY 0.6 W WARREN [34.7	78, -99.22]			
_	05/18/13 15:51 CST		0	Hail (2.50 in)
	05/18/13 15:51 CST		0	Source: Fire Department/Rescue
Continued for 20 minutes.				
JACKSON COUNTY FRIENDSHIP [34.70,	-99.23]			
- ·	05/18/13 15:51 CST		0	Hail (2.75 in)
	05/18/13 15:51 CST		0	Source: Emergency Manager
Relayed by EM. Also reported 1.25" hail five r	minutes prior.			
JACKSON COUNTY 0.6 W WARREN [34.7	78, -99.22]			
•	05/18/13 16:11 CST		0	Hail (2.50 in)
	05/18/13 16:11 CST		0	Source: Fire Department/Rescue
Golfball to tennis ball size hail was reported.				
WASHITA COUNTY 0.7 S DILL CITY 135.2	7, -99.13]			
WASHITA COUNTY 0.7 S DILL CITY [35.2	7, -99.13] 05/18/13 16:15 CST		0	Hail (1.75 in)
WASHITA COUNTY 0.7 S DILL CITY [35.2			0 0	Hail (1.75 in) Source: Amateur Radio
WASHITA COUNTY 0.7 S DILL CITY [35.2	05/18/13 16:15 CST			
WASHITA COUNTY 0.7 S DILL CITY [35.2 HARMON COUNTY MC QUEEN [34.67, -99	05/18/13 16:15 CST 05/18/13 16:15 CST 9.70]		0	Source: Amateur Radio
	05/18/13 16:15 CST 05/18/13 16:15 CST 9.70] 05/18/13 16:27 CST		0	Source: Amateur Radio Hail (1.25 in)
	05/18/13 16:15 CST 05/18/13 16:15 CST 9.70]		0	Source: Amateur Radio
HARMON COUNTY MC QUEEN [34.67, -99	05/18/13 16:15 CST 05/18/13 16:15 CST 9.70] 05/18/13 16:27 CST 05/18/13 16:27 CST		0	Source: Amateur Radio Hail (1.25 in)
	05/18/13 16:15 CST 05/18/13 16:15 CST 9.70] 05/18/13 16:27 CST 05/18/13 16:27 CST		0	Source: Amateur Radio Hail (1.25 in)

On Highway 62 at the Jackson-Harmon Co. line.

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
CUSTER COUNTY ARAPAHO [35.58, -98.96]				
	05/18/13 16:44 CST		0	Hail (1.25 in)
	05/18/13 16:44 CST		0	Source: Public
BECKHAM COUNTY 5.7 W ELK CITY [35.40, -8	-			
	05/18/13 17:00 CST		0	Hail (2.50 in)
	05/18/13 17:00 CST		0	Source: Public
Public reported golfball to tennis ball size hail.				
CUSTER COUNTY 4.5 WSW WEATHERFORD	[35.50, -98.77]			
	05/18/13 17:30 CST		0	Thunderstorm Wind (MG 54 kt)
	05/18/13 17:30 CST		0	Source: Mesonet
BLAINE COUNTY 6.2 SSE EAGLE CITY [35.85]	· •			
	05/18/13 18:00 CST		0	Thunderstorm Wind (MG 51 kt)
	05/18/13 18:00 CST		0	Source: Mesonet
Mesonet site at Watonga measured a wind gust to	59 mph.			
JACKSON COUNTY 2.8 E BLAIR [34.78, -99.28	B]			
	05/18/13 18:14 CST		0	Hail (2.00 in)
	05/18/13 18:14 CST		0	Source: Emergency Manager
KIOWA COUNTY LONE WOLF [34.99, -99.25]				
	05/18/13 18:23 CST		0	Hail (1.00 in)
	05/18/13 18:23 CST		0	Source: Public
COMANCHE COUNTY 1.3 WSW MT SCOTT [34	4.73, -98.55]			
-	05/18/13 19:00 CST		0	Thunderstorm Wind (MG 52 kt)
	05/18/13 19:00 CST		0	Source: Mesonet
CUSTER COUNTY 4.5 WSW WEATHERFORD	[35.50, -98.77]			
	05/18/13 19:10 CST		0	Thunderstorm Wind (MG 52 kt)
	05/18/13 19:10 CST		0	Source: Mesonet
CANADIAN COUNTY 4.5 SW CONCHO [35.56,	-98.041			
	05/18/13 19:15 CST		0	Thunderstorm Wind (MG 52 kt)
	05/18/13 19:15 CST		0	Source: Mesonet
GARFIELD COUNTY 1.1 E (END)VANCE AFB I	ENID [36 34 -97 90]			
CARTILLE COORTT I.TE (ERD)VARGE ALB I	05/18/13 19:22 CST		0	Thunderstorm Wind (MG 56 kt)
	05/18/13 19:22 CST		0	Source: AWOS
MAJOR COUNTY 4.0 E MENO [36.38, -98.11]	05/18/13 19:40 CST		0	Thunderstorm Wind (MG 58 kt)
	05/18/13 19:40 CST		0	Source: Mesonet
JACKSON COUNTY ALTUS [34.64, -99.33]	05/18/13 19:45 CST		0	Hail (1.75 in)
	05/18/13 19:45 CST		0	Source: Public
GARFIELD COUNTY 2.6 WSW (WDG) WOODR	ING ARPT [36.36, -97.83] 05/18/13 19:50 CST		0	Thunderstorm Wind (MG 54 kt)
	05/18/13 19:50 CST		0	Source: AWOS
			-	
Measured at Woodwring Airport.				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
GARFIELD COUNTY 3.0 SE BRECKINRIDGE				
	05/18/13 19:50 CST		0	Thunderstorm Wind (MG 55 kt)
	05/18/13 19:50 CST		0	Source: Mesonet
JACKSON COUNTY ALTUS [34.64, -99.33]				
	05/18/13 19:51 CST		0	Hail (1.75 in)
	05/18/13 19:51 CST		0	Source: Amateur Radio
At Park Lane and Heritage areas.				
GARFIELD COUNTY 1.1 E (END)VANCE AFB	ENID [36.34, -97.90]			
	05/18/13 20:00 CST		0	Hail (1.90 in)
	05/18/13 20:00 CST		0	Source: Trained Spotter
JACKSON COUNTY (LTS)ALTUS AFB [34.66	-99.29]			
	05/18/13 20:00 CST		0	Hail (1.90 in)
	05/18/13 20:00 CST		0	Source: Trained Spotter
GRADY COUNTY 0.9 NW MINCO [35.32, -97.9	5]			
- ,	05/18/13 20:05 CST		1K	Thunderstorm Wind (EG 56 kt)
	05/18/13 20:05 CST		0	Source: Other Federal Agency
One foot diameter tree was downed.				
GARFIELD COUNTY ENID [36.40, -97.88]				
	05/18/13 20:08 CST		40K	Thunderstorm Wind (EG 56 kt)
	05/18/13 20:08 CST		0	Source: Emergency Manager
Many trees and power lines downed, and a police	officer was injured by debris			
GARFIELD COUNTY 3.0 SE BRECKINRIDGE				
	05/18/13 20:10 CST		0	Thunderstorm Wind (MG 54 kt)
	05/18/13 20:10 CST		0	Source: Mesonet
Mesonet measured wind gust to 62 mph. Also me	easured 58 mph five minutes	earlier.		
OKLAHOMA COUNTY OKLAHOMA CITY [35.				
	05/18/13 20:40 CST		30K	Thunderstorm Wind (EG 56 kt)
	05/18/13 20:40 CST		0	Source: Emergency Manager
Many power lines were downed in the area aroun	d 150th and Penn.			
COMANCHE COUNTY ELGIN [34.78, -98.29]				
	05/18/13 20:41 CST		0	Hail (1.75 in)
	05/18/13 20:41 CST		0	Source: Law Enforcement
MAJOR COUNTY 4.0 E MENO [36.38, -98.11]				
	05/18/13 20:50 CST		0	Thunderstorm Wind (MG 61 kt)
	05/18/13 20:50 CST		0	Source: Mesonet
Mesonet site at Lahoma measured a gust to 70 m	nph. Also measured gusts of 8	57-58 mph at seve	ral times over the p	preceding hour.
COMANCHE COUNTY 3.3 SSW LAWTON [34.	-			
	05/18/13 22:13 CST		0	Hail (1.25 in)
	05/18/13 22:13 CST		0	Source: Public
At I-44 and Highway 36.				
COMANCHE COLINITY 1 2 WSW I AWTON 124	00 00 443			

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COMANCHE COUNTY --- 1.3 WSW LAWTON [34.60, -98.41]

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/18/13 22:27 CST		0	Hail (1.00 in)
	05/18/13 22:27 CST		0	Source: Broadcast Media
DEWEY COUNTY 3.6 WNW CAMARGO [3	•			
	05/18/13 22:50 CST		0	Thunderstorm Wind (MG 52 kt)
	05/18/13 22:50 CST		0	Source: Mesonet
A classic late Spring severe weather setup of contributed to high instability, while an inconference of the large spread between but significant hail was common with the stroutflows consolidated in some cases to proper east.	oming shortwave trough yielded en surface temperatures and de orms early in their life cycles ov	deep-layer shear w points over mo ver far western Ok	sufficient for superst st of Oklahoma, to klahoma. Later in t	ercells during the ornadoes did not occur, he evening, storm
ALFALFA COUNTY CHEROKEE [36.75, -9	98.35]			
	05/19/13 14:45 CST		0	Hail (1.00 in)
	05/19/13 14:45 CST		0	Source: Law Enforcement
OKLAHOMA COUNTY 6.8 WNW EDMONE) [35.69, -97.59]			
	05/19/13 14:47 CST		0	Hail (1.00 in)
	05/19/13 14:47 CST		0	Source: Trained Spotter
Reported at McArthur and Coffee Creek Rd.				
OKLAHOMA COUNTY 8.7 WNW EDMOND				
	05/19/13 15:01 CST		0	Hail (1.50 in)
	05/19/13 15:01 CST		0	Source: Trained Spotter
GRANT COUNTY 5.6 SSW WAKITA [36.81	1, -97.97]			
	05/19/13 15:05 CST		0	Hail (1.75 in)
	05/19/13 15:05 CST		0	Source: Law Enforcement
Nescatunga near Highway 11.				
OKLAHOMA COUNTY 2.1 NNE THE VILLA	• •			
	05/19/13 15:15 CST		10K	Thunderstorm Wind (EG 52 kt)
	05/19/13 15:15 CST		0	Source: Public
Powerlines down at Penn and Memorial.				
OKLAHOMA COUNTY 5.0 W EDMOND [35				Hall (4 OF ta)
	05/19/13 15:15 CST		0	Hail (1.25 in)
	05/19/13 15:15 CST		0	Source: Public
WOODWARD COUNTY 17.6 N MOORELA				
	05/19/13 15:15 CST		0	Thunderstorm Wind (MG 53 kt)
	05/19/13 15:15 CST		0	Source: Mesonet
OKLAHOMA COUNTY 4.5 NNW ARCADIA	LAKE [35.71, -97.40]			
	05/19/13 15:17 CST		0	Hail (1.00 in)
	05/19/13 15:17 CST		0	Source: Emergency Manager
At I-35 and Seward.				
OKLAHOMA COUNTY EDMOND [35.65, -9	=			
	05/19/13 15:18 CST		0	Hail (1.50 in)
	05/19/13 15:18 CST		0	Source: Amateur Radio
At 178th and Western.				

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KLAHOMA COUNTY — 0.5 ENE ARCADIA LAKE [35.68, -97.36], 1.0 ENE ARCADIA LAKE [35.68, -97.35]	Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
6619413 15.22 CST 0 Source. NWS Storm Survey tormado touched down in Edmond just northwest of 33rd Shreet and Boulevard Street. The tormado moved east just north of 33rd Shreet and Boulevard Street. The tormado moved east just north of 33rd Shreet and graph provided in the state of the 15th Street in the 15th Street and conflexed just before crossing interstate 35 with isolated EFT damsge beginning just west of Interstate and Independency Significant roof damage just before the tormado dissipated north of 15th Street and In Depot Ethol. KLAHOMA COUNTY 0.5 ENE ARCADIA LAKE [38.65, -97.36], 1.0 ENE ARCADIA LAKE [38.65, -97.36] 051913 15:34 CST 0 Source. NWS Storm Survey Drief tormado was observed just northeast of Lake Arcdia. The tormado damaged a power pole along Post Road just north of State Highway 66, nervise no known damage occurred. KLAHOMA COUNTY 3.6 NW ARCADIA LAKE [38.69, -97.41] 061913 15:34 CST 0 Source. NWS Storm Survey CKLAHOMA COUNTY 3.8 NW ARCADIA LAKE [38.69, -97.23], 49 NNE LUTHER [35.72, -97.15] 061913 15:34 CST 0 Source. NWS Storm Survey tormado touched down just south of Troje XOX Road and Coffee Creek Road to the northwest of Luther and began to move east-northeast. The tornado gain producing EF2 damage soon after crossing Luther Road where an outbuilding was destroyed. At least two mobile homes were destroyed as the mado confined to the east-northeast. The tornado segan producing EF2 damage soon after crossing Luther Road where an outbuilding was destroyed. At least two mobile homes were destroyed as the mado confined to the east-northeast. The tornado condinated to the east-northeast in the tornado where the tornado and moved into Logan County. KLAHOMA COUNTY 3.5 N LUTHER [38.71, -97.16] 051913 15:54 CST 0 Source. Public DGAN COUNTY 3.5 N LUTHER [38.72, -97.15], 8.8 SE MERIDIAN [38.73, -97.14] 051913 15:56 CST 0 Source. Public DGAN COUNTY 1.8 SW FALLIS [38.73, -97.14], 2.8 SE TRYON [38.85, 68.92] 051913 15:56 CST 0 Source. Public NOOLIN COUNTY 1.	OKLAHOMA COUNTY 1.8 S EDMOND [:	35.62, -97.48], 2.1 WSW ARCADIA I	LAKE [35.64, -97.4	<u> </u>	
tomado louched down in Edmond just northwest of 33rd Shreet and Boulevard Street. The bornado moved east just north of 33rd Shreet causing primarily F0 damage, primarily to trees. The tomado turned northeast just before crossing intensitate 35 with isolated EF1 damage beginning just west of intensitate and in Paport Blvd. KLAHOMA COUNTY — 0.5 ENE ARCADIA LAKE [35.65, 97.36], 1.0 ENE ARCADIA LAKE [35.65, 97.38] 0.91913 15:33 CST 0.951913 15:33 CST 0.951913 15:33 CST 0.951913 15:33 CST 0.951913 15:35 CST 0.951913 15	_		-	=	Tornado (EF1, L: 4.50 mi , W: 900 yd)
FO damage, primarily to trees. The tornado turned northeast just before crossing interstate 5.5 with soldand EFT damage beginning just west of interstate and east of interstate 3.5 unifered significant roof damage just before the tornado dissipated north of 15th Street and east of interstate 3.5 unifered significant roof damage just before the tornado dissipated north of 15th Street and er Dapot Elvd. KLAHOMA COUNTY		05/19/13 15:30 CST		0	Source: NWS Storm Survey
OS19913 15:33 CST 0 Tomado (EF1, L: 0.54 mi), W: 200 yd) OS19013 15:34 CST 0 Source: NWS Storm Survey brief formado was observed just northeast of Lake Ancida. The tomado damaged a power pole along Post Road just north of State Highway 66, herwise no known damage occurred. KLAHOMA COUNTY 3.6 NW ARCADIA LAKE [38.69, -97.41] OS1913 15:37 CST 0 Hall (2.60 in) OS1913 15:37 CST 0 Source: Public KLAHOMA COUNTY 3.8 NW LUTHER [35.69, -97.23], 4.9 NNE LUTHER [35.72, -97.19] OS1919 13 15:34 CST 0 Tomado (EF2, L: 5.00 mi), W: 1000 yd) OS1919 13 15:34 CST 0 Tomado (EF2, L: 5.00 mi), W: 1000 yd) OS1919 13 15:34 CST 0 Tomado (EF2, L: 5.00 mi), W: 1000 yd) OS1919 13 15:34 CST 0 Tomado (EF2, L: 5.00 mi), W: 1000 yd) OS1919 13 15:35 CST 0 Source: NWS Storm Survey tomado touched down just south of Triple XXX Road and Coffee Creek Road to the northwest of Luther and began to move east-northwest. The tomado open producing EF2 damage soon after crossing Luther Road where an outbuilding was destroyed. At least two mobile homes were destroyed as the meado continued to the east-northeast. The tomado crossed Waterloo Road and moved into Logan County. KLAHOMA COUNTY 9.7 SE MERIDIAN [35.71, -97.18] OS1913 15:51 CST 0 Hail (2.75 in) OS1913 15:55 CST 0 Source: Public DGAN COUNTY 9.7 SE MERIDIAN [35.72, -97.15], 8.3 SE MERIDIAN [35.73, -97.14] OS1913 15:55 CST 0 Source: NWS Storm Survey ormado continued tracking ENE, producing tree damage as it clipped the extreme southeast comer of Logan County before moving into Lincoln County. RADY COUNTY 3.1 ENE MIDDLEBERG [35.13, -97.69] OS1913 15:55 CST 0 Source: Public NCOLN COUNTY 1.8 SW FALLIS [35.73, -97.14], 2.8 SE TRYON [35.88, -96.92] OS1913 15:55 CST 0 Source: Public NCOLN COUNTY 1.8 SW FALLIS [35.73, -97.14], 2.8 SE TRYON [35.88, -96.92] OS1913 15:55 CST 0 Source: Public NCOLN COUNTY 1.8 SW FALLIS [35.73, -97.14], 2.8 SE TRYON [35.88, -96.92] OS1913 15:55 CST 0 Source: NWS Storm Survey OS1913 13 15:55 CST 0 Source: NWS Storm Survey OS1913 13 15:55	EF0 damage, primarily to trees. The tornad	o turned northeast just before crossi	ng Interstate 35 w	ith isolated EF1 da	amage beginning just west of Interstate
brief formado was observed just northeast of Lake Arcdia. The tornado damaged a power pole along Post Road just north of State Highway 65, herwise no known damage occurred. Commendation	OKLAHOMA COUNTY 0.5 ENE ARCAD		RCADIA LAKE [35	=	Tornado (EF1, L: 0.54 mi , W: 200 yd)
KLAHOMA COUNTY 3.6 NW ARCADIA LAKE [35.69, -97.41] 051913 15:37 CST 0 Source: Public KLAHOMA COUNTY 3.6 NW ARCADIA LAKE [35.69, -97.41] 051913 15:37 CST 0 Source: Public KLAHOMA COUNTY 3.3 NW LUTHER [35.69, -97.23], 4.9 NNE LUTHER [35.72, -97.15] 061913 15:41 CST 0 Tornado (EF2, L: 5.00 mi , W: 1000 yd) 061913 15:46 CST 0 Source: NWS Storm Survey tornado touched down just south of Triple XXX Road and Coffee Creek Road to the northwest of Luther and began to move east-northeast. The tornado again producing EF2 damage soon after crossing Luther Road where an outbuilding was destroyed. At least two mobile homes were destroyed as the mado continued to the east-northeast. The tornado crossed Waterioo Road and moved into Logan County. KLAHOMA COUNTY 3.5 N LUTHER [35.71, -97.16] 05/19/13 15:51 CST 0 Hail (2.75 in) 05/19/13 15:54 CST 0 Source: Public DGAN COUNTY 9.7 SE MERIDIAN [35.72, -97.15], 9.8 SE MERIDIAN [35.73, -97.14] 05/19/13 15:56 CST 0 Source: NWS Storm Survey ornado continued tracking ENE, producing tree damage as it clipped the extreme southeast corner of Logan County before moving into Lincoln County. RADY COUNTY 1.8 SW FALLIS [35.73, -97.14], 2.8 SE TRYON [35.85, -95.92] 05/19/13 15:56 CST 0 Source: Public NCOLN COUNTY 1.8 SW FALLIS [35.73, -97.14], 2.8 SE TRYON [35.85, -96.92] 05/19/13 15:56 CST 0 Source: Public NCOLN COUNTY 1.8 SW FALLIS [35.73, -97.14], 2.8 SE TRYON [35.86, -96.92] 05/19/13 16:02 CST 0 Source: Public NCOLN COUNTY 1.8 SW (OUN)NORMAN WESTHEIMER ARPT [35.24, -97.49] 06/19/13 16:02 CST 0 Hail (1.25 in) 06/19/13 16:02 CST 0 Source: Public		05/19/13 15:34 CST		0	Source: NWS Storm Survey
OS/19/13 15:37 CST O Hail (2.60 in) OS/urce: Public	A brief tornado was observed just northeast otherwise no known damage occurred.	t of Lake Arcdia. The tornado damaç	ged a power pole a	along Post Road ju	ist north of State Highway 66,
RLAHOMA COUNTY — 3.3 NW LUTHER [35.69, 97.23], 49 NNE LUTHER [35.72, 97.15] 05/19/13 15.41 CST 0 Source: Public 05/19/13 15.41 CST 0 Source: NWS Storm Survey tormado touched down just south of Triple XXX Road and Coffee Creek Road to the northwest of Luther and began to move east-northeast. The tormado agan producing EF2 damage soon after crossing Luther Road where an outbuilding was destroyed. At least two mobile homes were destroyed as the mado continued to the east-northeast. The tormado crossed Waterloo Road and moved into Logan County. KLAHOMA COUNTY — 3.5 N LUTHER [35.71, -97.18] 05/19/13 15.51 CST 0 Source: Public DGAN COUNTY — 9.7 SE MERIDIAN [35.72, -97.15], 9.8 SE MERIDIAN [35.73, -97.14] 05/19/13 15.56 CST 0 Source: NWS Storm Survey DGAN COUNTY — 3.1 ENE MIDDLEBERG [35.13, -97.69] 05/19/13 15.55 CST 0 Hail (2.00 in) 05/19/13 15.55 CST 0 Source: Public NCOLN COUNTY — 1.8 SW FALLIS [35.73, -97.14], 2.8 SE TRYON [35.85, -96.92] 05/19/13 16.24 CST 0 Source: NWS Storm Survey INCOLN COUNTY — 1.8 SW FALLIS [35.73, -97.14], 2.8 SE TRYON [35.85, -96.92] 05/19/13 16.24 CST 0 Source: NWS Storm Survey INCOLN COUNTY — 1.8 SW FALLIS [35.73, -97.14], 2.8 SE TRYON [35.85, -96.92] 05/19/13 16.24 CST 0 Source: NWS Storm Survey INCOLN COUNTY — 1.8 SW FALLIS [35.73, -97.14], 2.8 SE TRYON [35.85, -96.92] 05/19/13 16.24 CST 0 Source: NWS Storm Survey INCOLN COUNTY — 1.8 SW FALLIS [35.73, -97.14], 2.8 SE TRYON [35.85, -96.92] 05/19/13 16.24 CST 0 Source: NWS Storm Survey INCOLN COUNTY — 1.8 SW FALLIS [35.73, -97.14], 2.8 SE TRYON [35.85, -96.92] 05/19/13 16.24 CST 0 Source: NWS Storm Survey INCOLN COUNTY — 1.8 SW FALLIS [35.73, -97.14], 2.8 SE TRYON [35.85, -96.92] 05/19/13 16.24 CST 0 Source: NWS Storm Survey INCOLN COUNTY — 1.8 SW FALLIS [35.73, -97.14], 2.8 SE TRYON [35.85, -96.92] 05/19/13 16.24 CST 0 Source: NWS Storm Survey INCOLN COUNTY — 1.8 SW FALLIS [35.73, -97.14], 2.8 SE TRYON [35.85, -96.92] 05/19/13 16.24 CST 0 Source: NWS Storm Survey INCOLN County Developed the so	OKLAHOMA COUNTY 3.6 NW ARCADIA			0	Hail (2 60 in)
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OS/19/13 15:51 CST 0 Tomado (EF2, L 5.00 mi , W: 1000 yd) 05/19/13 15:54 CST 0 Source: NWS Storm Survey 05/19/13 15:54 CST 0 Source: NWS Storm Survey 05/19/13 15:54 CST 0 Source: NWS Storm Survey 05/19/13 15:54 CST 0 Hail (2.75 in) 05/19/13 15:51 CST 0 Source: Public 05/19/13 15:55 CST 0 Tomado (EF2, L: 0.84 mi , W: 1000 yd) 05/19/13 15:55 CST 0 Source: Public 05/19/13 16:24 CST 0 Source: Public 05/19/13 16:25 CST 0 Source				· ·	33.00
tornado touched down just south of Triple XXX Road and Coffee Creek Road to the northwest of Luther and began to move east-northeast. The tornado sgan producing EF2 damage soon after crossing Luther Road where an outbuilding was destroyed. At least two mobile homes were destroyed as the mado continued to the east-northeast. The tornado crossed Waterloo Road and moved into Logan County. KKLAHOMA COUNTY 3.5 N LUTHER [35.71, -97.18] 05/19/13 15:51 CST 0	OKLAHOMA COUNTY 3.3 NW LUTHER		35.72, -97.15]		
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agan producing EF2 damage soon after crossing Luther Road where an outbuilding was destroyed. At least two mobile homes were destroyed as the mado continued to the east-northeast. The tornado crossed Waterloo Road and moved into Logan County. KKAHOMA COUNTY 3.5 N LUTHER [35.71, -97.18] 05/19/13 15:51 CST 0 Source: Public DGAN COUNTY 9.7 SE MERIDIAN [35.72, -97.15], 9.8 SE MERIDIAN [35.73, -97.14] 05/19/13 15:56 CST 0 Tornado (EF2, L: 0.84 mi , W: 1000 yd) 05/19/13 15:56 CST 0 Source: NWS Storm Survey DOMAGO COUNTY 3.1 ENE MIDDLEBERG [35.13, -97.69] 05/19/13 15:55 CST 0 Source: Public NCOUNTY 3.1 ENE MIDDLEBERG [35.13, -97.69] 05/19/13 15:56 CST 0 Source: Public NCOUNTY 1.8 SW FALLIS [35.73, -97.14], 2.8 SE TRYON [35.85, -96.92] 05/19/13 16:24 CST 0 Source: NWS Storm Survey The large tornado continued to move northeast from Logan County into Lincoln County. The tornado passed just southeast of Fallis and then clipped the butheastern portion of Carney. It produced EF3 damage to a number of homes from just south of Carney into the southeast of Fallis and then clipped the butheastern portion of Carney. It produced EF3 damage to a number of homes from just south of Carney into the southeast of Fallis and then clipped the butheastern portion of Carney. It produced EF3 damage to a number of homes from just south of Carney into the southeast portion of the town. The mado finally dissipated about 3 miles southeast of Tryon. Motions observed visually in this tornado suggest that the tornado was likely stronger then EF3 western Lincoln County, but no damage indicators were available that would have supplied a rating higher than EF3 in this area. LEVELAND COUNTY 1.3 WSW (OUN)NORMAN WESTHEIMER ARPT [35.24, -97.49] 05/19/13 16:02 CST 0 Hail (1.25 in) 05/19/13 16:02 CST 0 Hail (1.00 in)		05/19/13 15:54 CST		0	Source: NWS Storm Survey
OGAN COUNTY 9.7 SE MERIDIAN [35.72, -97.15], 9.8 SE MERIDIAN [35.73, -97.14] 05/19/13 15:56 CST 0 Source: NWS Storm Survey ornado continued tracking ENE, producing tree damage as it clipped the extreme southeast corner of Logan County before moving into Lincoln County. RADY COUNTY 3.1 ENE MIDDLEBERG [35.13, -97.69] 05/19/13 15:55 CST 0 Hail (2.00 in) 05/19/13 15:56 CST 0 Source: Public NCOLN COUNTY 1.8 SW FALLIS [35.73, -97.14], 2.8 SE TRYON [35.85, -96.92] 05/19/13 16:24 CST 0 Source: NWS Storm Survey he large tornado continued to move northeast from Logan County into Lincoln County. The tornado passed just southeast of Fallis and then clipped the butheastern portion of Carney. It produced EF3 damage to a number of homes from just south of Carney into the southeast portion of the town. The mado finally dissipated about 3 miles southeast of Tryon. Motions observed visually in this tornado suggest that the tornado was likely stronger then EF3 western Lincoln County, but no damage indicators were available that would have supplied a rating higher than EF3 in this area. LEVELAND COUNTY 1.3 WSW (OUN)NORMAN WESTHEIMER ARPT [35.24, -97.49] 05/19/13 16:02 CST 0 Source: Public 1.36th Nw and Rock Creek Rd. CCLAIN COUNTY 2.1 S NEWCASTLE [35.22, -97.60] 05/19/13 16:05 CST 0 Hail (1.00 in)	DKLAHOMA COUNTY 3.5 N LUTHER [3	05/19/13 15:51 CST			
05/19/13 15:54 CST 0 Tornado (EF2, L: 0.84 mi , W: 1000 yd) 05/19/13 15:56 CST 0 Source: NWS Storm Survey ornado continued tracking ENE, producing tree damage as it clipped the extreme southeast corner of Logan County before moving into Lincoln County. RADY COUNTY 3.1 ENE MIDDLEBERG [35.13, -97.69] 05/19/13 15:55 CST 0 Hail (2.00 in) 05/19/13 15:55 CST 0 Source: Public NCOLN COUNTY 1.8 SW FALLIS [35.73, -97.14], 2.8 SE TRYON [35.85, -96.92] 05/19/13 16:56 CST 0 Source: NWS Storm Survey one large tornado continued to move northeast from Logan County into Lincoln County. The tornado passed just southeast of Fallis and then clipped the putheastern portion of Carney. It produced EF3 damage to a number of homes from just south of Carney into the southeast portion of the town. The mado finally dissipated about 3 miles southeast of Tryon. Motions observed visually in this tornado suggest that the tornado was likely stronger then EF3 western Lincoln County, but no damage indicators were available that would have supplied a rating higher than EF3 in this area. LEVELAND COUNTY 1.3 WSW (OUN)NORMAN WESTHEIMER ARPT [35.24, -97.49] 05/19/13 16:02 CST 0 Source: Public 1.36th Nw and Rock Creek Rd.		05/19/13 15:51 CST		0	Source: Public
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RADY COUNTY 3.1 ENE MIDDLEBERG [35.13, -97.69] 05/19/13 15:55 CST 0 Hail (2.00 in) 05/19/13 15:55 CST 0 Source: Public NCOLN COUNTY 1.8 SW FALLIS [35.73, -97.14], 2.8 SE TRYON [35.85, -96.92] 05/19/13 16:26 CST 0 Tornado (EF3, L: 15.00 mi , W: 1200 yd) 05/19/13 16:24 CST 0 Source: NWS Storm Survey The large tornado continued to move northeast from Logan County into Lincoln County. The tornado passed just southeast of Fallis and then clipped the putheastern portion of Carney. It produced EF3 damage to a number of homes from just south of Carney into the southeast portion of the town. The rnado finally dissipated about 3 miles southeast of Tryon. Motions observed visually in this tornado suggest that the tornado was likely stronger then EF3 western Lincoln County, but no damage indicators were available that would have supplied a rating higher than EF3 in this area. LEVELAND COUNTY 1.3 WSW (OUN)NORMAN WESTHEIMER ARPT [35.24, -97.49] 05/19/13 16:02 CST 0 Hail (1.25 in) 05/19/13 16:02 CST 0 Source: Public CCLAIN COUNTY 2.1 S NEWCASTLE [35.22, -97.60] 05/19/13 16:05 CST 0 Hail (1.00 in)		05/19/13 15:56 CST		0	Source: NWS Storm Survey
05/19/13 15:55 CST 0 Hail (2.00 in) 05/19/13 15:55 CST 0 Tornado (EF3, L: 15.00 mi , W: 1200 yd) 05/19/13 15:56 CST 0 Tornado (EF3, L: 15.00 mi , W: 1200 yd) 05/19/13 16:24 CST 0 Source: NWS Storm Survey The large tornado continued to move northeast from Logan County into Lincoln County. The tornado passed just southeast of Fallis and then clipped the putheastern portion of Carney. It produced EF3 damage to a number of homes from just south of Carney into the southeast portion of the town. The remado finally dissipated about 3 miles southeast of Tryon. Motions observed visually in this tornado suggest that the tornado was likely stronger then EF3 western Lincoln County, but no damage indicators were available that would have supplied a rating higher than EF3 in this area. **LEVELAND COUNTY 1.3 WSW (OUN)NORMAN WESTHEIMER ARPT [35.24, -97.49] 05/19/13 16:02 CST 0 Hail (1.25 in) 05/19/13 16:02 CST 0 Source: Public **CCLAIN COUNTY 2.1 S NEWCASTLE [35.22, -97.60] 05/19/13 16:05 CST 0 Hail (1.00 in)	Tornado continued tracking ENE, producing	tree damage as it clipped the extre	me southeast cor	ner of Logan Coun	ty before moving into Lincoln County.
05/19/13 15:55 CST 0 Hail (2.00 in) 05/19/13 15:55 CST 0 Tornado (EF3, L: 15.00 mi , W: 1200 yd) 05/19/13 15:56 CST 0 Tornado (EF3, L: 15.00 mi , W: 1200 yd) 05/19/13 16:24 CST 0 Source: NWS Storm Survey The large tornado continued to move northeast from Logan County into Lincoln County. The tornado passed just southeast of Fallis and then clipped the putheastern portion of Carney. It produced EF3 damage to a number of homes from just south of Carney into the southeast portion of the town. The remado finally dissipated about 3 miles southeast of Tryon. Motions observed visually in this tornado suggest that the tornado was likely stronger then EF3 western Lincoln County, but no damage indicators were available that would have supplied a rating higher than EF3 in this area. **LEVELAND COUNTY 1.3 WSW (OUN)NORMAN WESTHEIMER ARPT [35.24, -97.49] 05/19/13 16:02 CST 0 Hail (1.25 in) 05/19/13 16:02 CST 0 Source: Public **CCLAIN COUNTY 2.1 S NEWCASTLE [35.22, -97.60] 05/19/13 16:05 CST 0 Hail (1.00 in)	GRADY COUNTY 3.1 ENE MIDDLEBER	G [35.13, -97.69]			
NCOLN COUNTY 1.8 SW FALLIS [35.73, -97.14], 2.8 SE TRYON [35.85, -96.92] 05/19/13 15:56 CST 0 Source: NWS Storm Survey The large tornado continued to move northeast from Logan County into Lincoln County. The tornado passed just southeast of Fallis and then clipped the putheastern portion of Carney. It produced EF3 damage to a number of homes from just south of Carney into the southeast portion of the town. The mado finally dissipated about 3 miles southeast of Tryon. Motions observed visually in this tornado suggest that the tornado was likely stronger then EF3 western Lincoln County, but no damage indicators were available that would have supplied a rating higher than EF3 in this area. LEVELAND COUNTY 1.3 WSW (OUN)NORMAN WESTHEIMER ARPT [35.24, -97.49] 05/19/13 16:02 CST 0 Hail (1.25 in) Source: Public CCLAIN COUNTY 2.1 S NEWCASTLE [35.22, -97.60] 05/19/13 16:05 CST 0 Hail (1.00 in)				0	Hail (2.00 in)
05/19/13 15:56 CST 0 Tornado (EF3, L: 15.00 mi , W: 1200 yd) 05/19/13 16:24 CST 0 Source: NWS Storm Survey The large tornado continued to move northeast from Logan County into Lincoln County. The tornado passed just southeast of Fallis and then clipped the putheastern portion of Carney. It produced EF3 damage to a number of homes from just south of Carney into the southeast portion of the town. The mado finally dissipated about 3 miles southeast of Tryon. Motions observed visually in this tornado suggest that the tornado was likely stronger then EF3 western Lincoln County, but no damage indicators were available that would have supplied a rating higher than EF3 in this area. **LEVELAND COUNTY 1.3 WSW (OUN)NORMAN WESTHEIMER ARPT [35.24, -97.49] 05/19/13 16:02 CST 0 Hail (1.25 in) 05/19/13 16:02 CST 0 Source: Public **CCLAIN COUNTY 2.1 S NEWCASTLE [35.22, -97.60] 05/19/13 16:05 CST 0 Hail (1.00 in)		05/19/13 15:55 CST		0	Source: Public
05/19/13 15:56 CST 0 Tornado (EF3, L: 15.00 mi , W: 1200 yd) 05/19/13 16:24 CST 0 Source: NWS Storm Survey The large tornado continued to move northeast from Logan County into Lincoln County. The tornado passed just southeast of Fallis and then clipped the putheastern portion of Carney. It produced EF3 damage to a number of homes from just south of Carney into the southeast portion of the town. The mado finally dissipated about 3 miles southeast of Tryon. Motions observed visually in this tornado suggest that the tornado was likely stronger then EF3 western Lincoln County, but no damage indicators were available that would have supplied a rating higher than EF3 in this area. **LEVELAND COUNTY 1.3 WSW (OUN)NORMAN WESTHEIMER ARPT [35.24, -97.49] 05/19/13 16:02 CST 0 Hail (1.25 in) 05/19/13 16:02 CST 0 Source: Public **CCLAIN COUNTY 2.1 S NEWCASTLE [35.22, -97.60] 05/19/13 16:05 CST 0 Hail (1.00 in)					
05/19/13 16:24 CST 0 Source: NWS Storm Survey the large tornado continued to move northeast from Logan County into Lincoln County. The tornado passed just southeast of Fallis and then clipped the putheastern portion of Carney. It produced EF3 damage to a number of homes from just south of Carney into the southeast portion of the town. The strando finally dissipated about 3 miles southeast of Tryon. Motions observed visually in this tornado suggest that the tornado was likely stronger then EF3 western Lincoln County, but no damage indicators were available that would have supplied a rating higher than EF3 in this area. LEVELAND COUNTY 1.3 WSW (OUN)NORMAN WESTHEIMER ARPT [35.24, -97.49] 05/19/13 16:02 CST 0 Hail (1.25 in) 05/19/13 16:02 CST 0 Source: Public t 36th Nw and Rock Creek Rd.	LINCOLN COUNTY 1.8 SW FALLIS [35.		96.92]	0	Tornada (FF2 1 - 45 00 mi: 14/-4000 mi)
the large tornado continued to move northeast from Logan County into Lincoln County. The tornado passed just southeast of Fallis and then clipped the putheastern portion of Carney. It produced EF3 damage to a number of homes from just south of Carney into the southeast portion of the town. The strando finally dissipated about 3 miles southeast of Tryon. Motions observed visually in this tornado suggest that the tornado was likely stronger then EF3 western Lincoln County, but no damage indicators were available that would have supplied a rating higher than EF3 in this area. **LEVELAND COUNTY 1.3 WSW (OUN)NORMAN WESTHEIMER ARPT [35.24, -97.49] **O5/19/13 16:02 CST					
butheastern portion of Carney. It produced EF3 damage to a number of homes from just south of Carney into the southeast portion of the town. The strando finally dissipated about 3 miles southeast of Tryon. Motions observed visually in this tornado suggest that the tornado was likely stronger then EF3 western Lincoln County, but no damage indicators were available that would have supplied a rating higher than EF3 in this area. LEVELAND COUNTY 1.3 WSW (OUN)NORMAN WESTHEIMER ARPT [35.24, -97.49] 05/19/13 16:02 CST 0 Hail (1.25 in) 05/19/13 16:02 CST 0 Source: Public CCLAIN COUNTY 2.1 S NEWCASTLE [35.22, -97.60] 05/19/13 16:05 CST 0 Hail (1.00 in)		05/19/13 16:24 CST		U	Source: NVVS Storm Survey
05/19/13 16:02 CST 0 Hail (1.25 in) 05/19/13 16:02 CST 0 Source: Public t 36th Nw and Rock Creek Rd. CCLAIN COUNTY 2.1 S NEWCASTLE [35.22, -97.60] 05/19/13 16:05 CST 0 Hail (1.00 in)	southeastern portion of Carney. It produced tornado finally dissipated about 3 miles sou	EF3 damage to a number of homes theast of Tryon. Motions observed v	s from just south o	f Carney into the s ado suggest that th	outheast portion of the town. The ne tornado was likely stronger then EF3
05/19/13 16:02 CST 0 Source: Public t 36th Nw and Rock Creek Rd. CCLAIN COUNTY 2.1 S NEWCASTLE [35.22, -97.60] 05/19/13 16:05 CST 0 Hail (1.00 in)	CLEVELAND COUNTY 1.3 WSW (OUN)	-	24, -97.49]	0	Hoil (4.25 in)
t 36th Nw and Rock Creek Rd. CCLAIN COUNTY 2.1 S NEWCASTLE [35.22, -97.60] 05/19/13 16:05 CST 0 Hail (1.00 in)					
05/19/13 16:05 CST 0 Hail (1.00 in)	At 36th Nw and Rock Creek Rd.	05.15/10 10.02 001		v	230.00.1 40.00
05/19/13 16:05 CST 0 Hail (1.00 in)	MCCLAIN COLINTY 2.4.5 NEWCASTLE	[35 22 .97 60]			
	MCCLAIN COUNTY 2.1 5 NEWCASTLE			0	Hail (1.00 in)
DOLLMED DOUGE TO DOUGE TRAINED SHOTTER		05/19/13 16:05 CST		0	Source: Trained Spotter

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
MCCLAIN COUNTY 0.7 N BLANCHARD	-			
	05/19/13 16:10 CST 05/19/13 16:10 CST		0	Hail (1.25 in) Source: COOP Observer
	05/19/13 16:10 CS1		U	Source: COOP Observer
At County Line Rd. and Highway 62.				
CLEVELAND COUNTY 1.8 SW MOORE				W 7/4 50:)
	05/19/13 16:25 CST		0	Hail (1.50 in) Source: Storm Chaser
	05/19/13 16:25 CST		U	Source. Storm Chaser
CLEVELAND COUNTY NORMAN [35.22	2, -97.44]			
-	05/19/13 16:30 CST		0	Hail (3.00 in)
	05/19/13 16:30 CST		0	Source: Public
Tea cup size hail reported at 12th and Teci	umseh. Also golfball size reported a	t 36th and Tecums	seh, and 1.5 inch ha	ail reported at Westheimer Airport.
MCCLAIN COUNTY 1.1 W NEWCASTLE	E [35.25, -97.62]			
	05/19/13 16:39 CST		0	Hail (1.75 in)
	05/19/13 16:39 CST		0	Source: NWS Employee
CLEVELAND COUNTY 4.0 NE NORMAI	N [35.26, -97.39]			
	05/19/13 16:40 CST		0	Hail (2.00 in)
	05/19/13 16:40 CST		0	Source: NWS Employee
CLEVELAND COUNTY FORWING MODE	DE [25 27 07 57]			
CLEVELAND COUNTY 5.0 WNW MOOF	05/19/13 16:45 CST		0	Hail (1.00 in)
	05/19/13 16:45 CST		0	Source: Public
CLEVELAND COUNTY NORMAN [35.22	2 , -97.44] 05/19/13 16:47 CST		0	Hail (2.50 in)
	05/19/13 16:47 CST		0	Source: Public
Devented at 00th Ave. November Transcript			•	
Reported at 36th Ave. Nw and Tecumseh.				
CLEVELAND COUNTY 5.1 WNW LAKE	THUNDERBIRD DAM [35.25, -97.3	0], 3.9 ESE STELL	A [35.31, -97.14]	
	05/19/13 17:00 CST		0	Tornado (EF3, L: 10.50 mi , W: 1150 yd)
	05/19/13 17:20 CST		0	Source: NWS Storm Survey
A long track tornado began in Cleveland Co tornado moved northeast, crossing the eas east-northeast through neighborhoods from Pottawatomie County.	tern arm of Lake Thunderbird. A nu	mber of homes we	re significantly dan	naged as the tornado moved
MCCLAIN COUNTY NEWCASTLE [35.2	5, -97.60] 05/19/13 17:00 CST		0	Hail (1.39 in)
	05/19/13 17:00 CST		0	Source: Emergency Manager
CLEVELAND COUNTY MOORE [35.34,	-97.49] 05/19/13 17:02 CST		0	Hail (1.00 in)
	05/19/13 17:02 CST		0	Source: Public
CLEVELAND COUNTY 3.0 NNE MOOR			0	Hail (4.50 in)
	05/19/13 17:12 CST		0	Hail (1.50 in)
	05/19/13 17:12 CST		0	Source: Public
POTTAWATOMIE COUNTY 3.5 NNW PI	NK [35.31, -97.14], 4.2 WSW AYDE	ELOTTE [35.42, -96	5.98]	
	05/19/13 17:20 CST	2	0	Tornado (EF4, L: 12.50 mi , W: 1500 yd)
	05/19/13 17:50 CST		0	Source: NWS Storm Survey

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Deaths &

Property &

Event Type and Details

Date/Time

Location

Mesonet station at Newkirk recorded a gust 59 mph.

	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
The large tornado moved east-northeast into Po a mobile home park north of Independence Roa destroyed with much of the debris blown well to north-northeast finally dissipating near Wolverin	ad after crossing State Highway the northeast. It continued no	ng northeast as it a y 102. Just northea rtheast crossing Int	oproached State H st of the mobile ho erstate 40 near the	me park, a permanent home was e intersection of US-177, then curved
vehicle.				
Direct Fatalities: M79MH, M76VE				
OKLAHOMA COUNTY 0.7 N (TIK)TINKER A				
	05/19/13 17:21 CST		0	Hail (1.00 in)
	05/19/13 17:21 CST		0	Source: AWOS
OKLAHOMA COUNTY 1.1 E MIDWEST CITY	Y [35.46, -97.37]			
	05/19/13 17:28 CST		0	Hail (1.00 in)
	05/19/13 17:28 CST		0	Source: Public
Reported at 29th and Douglas.				
OKLAHOMA COUNTY 0.7 S CHOCTAW [35	.48, -97.27]			
	05/19/13 17:30 CST		0	Hail (1.25 in)
	05/19/13 17:30 CST		0	Source: Storm Chaser
POTTAWATOMIE COUNTY 4.0 SSE DALE [[35.34, -97.02], 2.5 SE DALE [3	5.36, -97.02]		
	05/19/13 17:40 CST		0	Tornado (EF0, L: 2.00 mi , W: 30 yd)
	05/19/13 17:43 CST		0	Source: NWS Storm Survey
An anticyclonic tornado was observed in RaXPo	ol mobile radar data and an are	ea of tree damage v	as observed by th	e storm survey team.
POTTAWATOMIE COUNTY 4.2 NE JOHNSO	ON [35.46, -96.80], 4.7 NE JOH	NSON [35.46, -96.7	9]	
	05/19/13 17:59 CST		0	Tornado (EF0, L: 0.50 mi , W: 250 yd)
	05/19/13 18:00 CST		0	Source: NWS Storm Survey
			noforo movina into	Lincoln County.
A tornado began about just south of the Pottaw	atomie-Lincoln County line dan	naging some trees	before moving into	
	·		Delore moving into	
	·		0	Tornado (EF2, L: 6.75 mi , W: 450 yd)
	46, -96.79], 2.5 N PRAGUE [35.			Tornado (EF2, L: 6.75 mi , W: 450 yd) Source: NWS Storm Survey
LINCOLN COUNTY 5.9 WSW PRAGUE [35.4 This tornado moved into Lincoln County from P	46, -96.79], 2.5 N PRAGUE [35. 05/19/13 18:00 CST 05/19/13 18:12 CST	.53, -96.70]	0 0	Source: NWS Storm Survey
LINCOLN COUNTY 5.9 WSW PRAGUE [35.4 This tornado moved into Lincoln County from P from two homes northwest of Prague.	46, -96.79], 2.5 N PRAGUE [35. 05/19/13 18:00 CST 05/19/13 18:12 CST ottawatomie County and affect	.53, -96.70]	0 0	Source: NWS Storm Survey
LINCOLN COUNTY 5.9 WSW PRAGUE [35.4 This tornado moved into Lincoln County from P from two homes northwest of Prague.	46, -96.79], 2.5 N PRAGUE [35.05/19/13 18:00 CST 05/19/13 18:12 CST ottawatomie County and affect [35.38, -96.94] 05/19/13 18:10 CST	.53, -96.70]	0 0 and north of Prague	Source: NWS Storm Survey e. Large sctions of roof were removed Thunderstorm Wind (MG 53 kt)
LINCOLN COUNTY 5.9 WSW PRAGUE [35.4 This tornado moved into Lincoln County from P from two homes northwest of Prague.	46, -96.79], 2.5 N PRAGUE [35. 05/19/13 18:00 CST 05/19/13 18:12 CST ottawatomie County and affect	.53, -96.70]	0 0 and north of Prague	Source: NWS Storm Survey e. Large sctions of roof were removed
LINCOLN COUNTY 5.9 WSW PRAGUE [35.4 This tornado moved into Lincoln County from P from two homes northwest of Prague. POTTAWATOMIE COUNTY 3.6 NNW SHAW	46, -96.79], 2.5 N PRAGUE [35. 05/19/13 18:00 CST 05/19/13 18:12 CST ottawatomie County and affect //NEE [35.38, -96.94] 05/19/13 18:10 CST 05/19/13 18:10 CST	areas to the west a	0 0 and north of Prague	Source: NWS Storm Survey e. Large sctions of roof were removed Thunderstorm Wind (MG 53 kt)
LINCOLN COUNTY 5.9 WSW PRAGUE [35.4 This tornado moved into Lincoln County from Prom two homes northwest of Prague. POTTAWATOMIE COUNTY 3.6 NNW SHAW	46, -96.79], 2.5 N PRAGUE [35. 05/19/13 18:00 CST 05/19/13 18:12 CST ottawatomie County and affect //NEE [35.38, -96.94] 05/19/13 18:10 CST 05/19/13 18:10 CST	areas to the west a	0 0 and north of Prague	Source: NWS Storm Survey e. Large sctions of roof were removed Thunderstorm Wind (MG 53 kt)
LINCOLN COUNTY 5.9 WSW PRAGUE [35.4 This tornado moved into Lincoln County from P from two homes northwest of Prague. POTTAWATOMIE COUNTY 3.6 NNW SHAW	46, -96.79], 2.5 N PRAGUE [35. 05/19/13 18:00 CST 05/19/13 18:12 CST ottawatomie County and affect VNEE [35.38, -96.94] 05/19/13 18:10 CST 05/19/13 18:10 CST -96.65], 5.6 NE PRAGUE [35.5.5]	areas to the west a	0 0 and north of Prague 0 0	Source: NWS Storm Survey e. Large sctions of roof were removed Thunderstorm Wind (MG 53 kt) Source: Mesonet
LINCOLN COUNTY 5.9 WSW PRAGUE [35.4 This tornado moved into Lincoln County from P from two homes northwest of Prague. POTTAWATOMIE COUNTY 3.6 NNW SHAW LINCOLN COUNTY 3.6 NE PRAGUE [35.53,	46, -96.79], 2.5 N PRAGUE [35. 05/19/13 18:00 CST 05/19/13 18:12 CST ottawatomie County and affect vivial form of the county and affect of the county and affect of the county and affect vivial form of the county and affect vivial form of the county and affect of the county and affect of the county and affect vivial for the county and affect of	.53, -96.70] areas to the west a	0 0 ind north of Prague 0 0 0	Source: NWS Storm Survey e. Large sctions of roof were removed Thunderstorm Wind (MG 53 kt) Source: Mesonet Tornado (EF0, L: 2.12 mi , W: 300 yd) Source: NWS Storm Survey
A tornado began about just south of the Pottaw LINCOLN COUNTY 5.9 WSW PRAGUE [35.4 This tornado moved into Lincoln County from P from two homes northwest of Prague. POTTAWATOMIE COUNTY 3.6 NNW SHAW LINCOLN COUNTY 3.6 NE PRAGUE [35.53, A tornado touched down about 3.5 miles northe Area (see Storm Data for eastern Oklahoma for	46, -96.79], 2.5 N PRAGUE [35. 05/19/13 18:00 CST 05/19/13 18:12 CST ottawatomie County and affect [35.38, -96.94] 05/19/13 18:10 CST 05/19/13 18:10 CST -96.65], 5.6 NE PRAGUE [35.8 05/19/13 18:17 CST 05/19/13 18:20 CST east of Prague and caused tree information about the continual [96.69]	.53, -96.70] areas to the west a	0 0 ond north of Prague 0 0 0 ving into Okfuskee	Source: NWS Storm Survey e. Large sctions of roof were removed Thunderstorm Wind (MG 53 kt) Source: Mesonet Tornado (EF0, L: 2.12 mi , W: 300 yd) Source: NWS Storm Survey e County in the Tulsa County Warning
LINCOLN COUNTY 5.9 WSW PRAGUE [35.4] This tornado moved into Lincoln County from P from two homes northwest of Prague. POTTAWATOMIE COUNTY 3.6 NNW SHAW LINCOLN COUNTY 3.6 NE PRAGUE [35.53, A tornado touched down about 3.5 miles northe Area (see Storm Data for eastern Oklahoma for	46, -96.79], 2.5 N PRAGUE [35. 05/19/13 18:00 CST 05/19/13 18:12 CST ottawatomie County and affect vive [35.38, -96.94] 05/19/13 18:10 CST 05/19/13 18:10 CST -96.65], 5.6 NE PRAGUE [35.6 05/19/13 18:20 CST 05/19/13 18:20 CST east of Prague and caused tree information about the continua	.53, -96.70] areas to the west a	0 0 ind north of Prague 0 0 0	Source: NWS Storm Survey e. Large sctions of roof were removed Thunderstorm Wind (MG 53 kt) Source: Mesonet Tornado (EF0, L: 2.12 mi , W: 300 yd) Source: NWS Storm Survey
LINCOLN COUNTY 5.9 WSW PRAGUE [35.4] This tornado moved into Lincoln County from P from two homes northwest of Prague. POTTAWATOMIE COUNTY 3.6 NNW SHAW LINCOLN COUNTY 3.6 NE PRAGUE [35.53, A tornado touched down about 3.5 miles northe Area (see Storm Data for eastern Oklahoma for	46, -96.79], 2.5 N PRAGUE [35. 05/19/13 18:00 CST 05/19/13 18:12 CST ottawatomie County and affect [35.38, -96.94] 05/19/13 18:10 CST 05/19/13 18:10 CST -96.65], 5.6 NE PRAGUE [35.8 05/19/13 18:17 CST 05/19/13 18:20 CST east of Prague and caused tree information about the continual [96.69]	.53, -96.70] areas to the west a	0 0 ond north of Prague 0 0 0 ving into Okfuskee	Source: NWS Storm Survey e. Large sctions of roof were removed Thunderstorm Wind (MG 53 kt) Source: Mesonet Tornado (EF0, L: 2.12 mi , W: 300 yd) Source: NWS Storm Survey e County in the Tulsa County Warning
LINCOLN COUNTY 5.9 WSW PRAGUE [35.4] This tornado moved into Lincoln County from P from two homes northwest of Prague. POTTAWATOMIE COUNTY 3.6 NNW SHAW LINCOLN COUNTY 3.6 NE PRAGUE [35.53, A tornado touched down about 3.5 miles northe Area (see Storm Data for eastern Oklahoma for	46, -96.79], 2.5 N PRAGUE [35. 05/19/13 18:00 CST 05/19/13 18:12 CST ottawatomie County and affect vive [35.38, -96.94] 05/19/13 18:10 CST 05/19/13 18:10 CST 05/19/13 18:17 CST 05/19/13 18:20 CST vist of Prague and caused tree information about the continuation about the continuation of the continuation o	.53, -96.70] areas to the west a	0 0 ond north of Prague 0 0 0 ving into Okfuskee 0.	Source: NWS Storm Survey e. Large sctions of roof were removed Thunderstorm Wind (MG 53 kt) Source: Mesonet Tornado (EF0, L: 2.12 mi , W: 300 yd) Source: NWS Storm Survey e County in the Tulsa County Warning Hail (1.00 in)
LINCOLN COUNTY 5.9 WSW PRAGUE [35.4] This tornado moved into Lincoln County from P from two homes northwest of Prague. POTTAWATOMIE COUNTY 3.6 NNW SHAW LINCOLN COUNTY 3.6 NE PRAGUE [35.53, A tornado touched down about 3.5 miles northed Area (see Storm Data for eastern Oklahoma for LINCOLN COUNTY 6.2 N PRAGUE [35.58,	46, -96.79], 2.5 N PRAGUE [35. 05/19/13 18:00 CST 05/19/13 18:12 CST ottawatomie County and affect vive [35.38, -96.94] 05/19/13 18:10 CST 05/19/13 18:10 CST 05/19/13 18:17 CST 05/19/13 18:20 CST vist of Prague and caused tree information about the continuation about the continuation of the continuation o	.53, -96.70] areas to the west a	0 0 ond north of Prague 0 0 0 ving into Okfuskee 0.	Source: NWS Storm Survey e. Large sctions of roof were removed Thunderstorm Wind (MG 53 kt) Source: Mesonet Tornado (EF0, L: 2.12 mi , W: 300 yd) Source: NWS Storm Survey e County in the Tulsa County Warning Hail (1.00 in)

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

A moist and very unstable airmass was in place over the eastern two thirds of Oklahoma, to the east of a dryline. Additionally, strong wind shear was present as a mid-level jet streak carved into the southern Plains. Several supercells developed along the dryline during the mid and late afternoon hours, producing large hail. Two supercells in central Oklahoma also produced tornadoes, including a few significant, damaging tornadoes.



Photo of tornado west of Shawnee. Photo taken by Bill Hark.

DONITOTOO COUNTY 4 0 ENE ADA 104 70 00 001			
PONTOTOC COUNTY 1.3 ENE ADA [34.78, -96.66]	0	Hail (4.05 in)	
05/20/13 11:30 CST	0	Hail (1.25 in)	
05/20/13 11:30 CST	0	Source: Public	
GRADY COUNTY 3.5 S RUSH SPRINGS [34.73, -97.96]			
05/20/13 12:54 CST	0	Hail (1.75 in)	
05/20/13 12:54 CST	0	Source: Public	
GRADY COUNTY 1.4 S RUSH SPRINGS [34.76, -97.96]			
05/20/13 12:56 CST	0	Hail (1.00 in)	
05/20/13 12:56 CST	0	Source: Emergency Manager	
STEPHENS COUNTY 6.4 WNW DUNCAN [34.52, -98.07]			
05/20/13 13:02 CST	0	Hail (1.00 in)	
05/20/13 13:02 CST	0	Source: Amateur Radio	
CANADIAN COUNTY 0.9 NW YUKON [35.51, -97.75]			
05/20/13 13:27 CST	0	Hail (3.25 in)	
05/20/13 13:27 CST	0	Source: Newspaper	

OKLAHOMA COUNTY --- (OKC)WILL ROGERS APT [35.39, -97.60]

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	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/20/13 13:28 CST		0	Hail (1.00 in)
	05/20/13 13:28 CST		0	Source: NWS Employee
GRADY COUNTY 3.1 NE BRIDGE CI	- · · · · · · · · · · · · · · · · · · ·	CREEK [35.26, -97	7.67]	
	05/20/13 13:45 CST		5K	Thunderstorm Wind (EG 65 kt)
	05/20/13 13:47 CST		0	Source: NWS Storm Survey
An area of wind damage occurred in far ornado. In Grady County, the damage v		eastern McClain C	ounty before the de	evelopment of the Newcastle-Moore
MCCLAIN COUNTY 4.1 W NEWCAS	- · · · · · · · · · · · · · · · · · · ·	TLE [35.28, -97.64]		Thursdood one Mind (FO 70 II)
	05/20/13 13:47 CST 05/20/13 13:56 CST		75K 0	Thunderstorm Wind (EG 78 kt) Source: NWS Storm Survey
MCCLAIN COUNTY 3.7 N NEWCAST	TI F [35 30 -97 61] 2 8 NW NEWCAST	TIF [35 28 -97 63]		·
	05/20/13 13:56 CST	[00:10; 01:00]	0	Tornado (EF4, L: 1.85 mi , W: 1280 yd)
	05/20/13 14:04 CST		0	Source: NWS Storm Survey
				So considerate of New York and Asset of
The violent Newcastle-Moore tornado w Rockwell Avenue. EF4 damage was obt the Canadian River and moved into Cle	served soon after the tornado crossed		• ,	
Rockwell Avenue. EF4 damage was obs	served soon after the tornado crossed seland County. OW [34.56, -97.91], 5.7 NE DUNCAN [State Highway 37.	The tornado contir	nued to expand in size as it approached
Rockwell Avenue. EF4 damage was obs the Canadian River and moved into Cle	served soon after the tornado crossed veland County.	State Highway 37.	• ,	

CLEVELAND COUNTY --- 7.0 WSW MOORE [35.30, -97.61], 2.9 WNW STANLEY DRAPER LAKE DAM [35.34, -97.40] 05/20/13 14:04 CST 24 2B

 05/20/13 14:04 CST
 24
 2B
 Tornado (EF5, L: 12.00 mi , W: 1900 yd)

 05/20/13 14:35 CST
 0
 Source: NWS Storm Survey

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Location	Date/Time	Deaths &	Property &	Event Type and Details
		Injurios	Cron Dma	

The violent Newcastle-Moore tornado moved into Cleveland County from McClain County as it moved northeast across the Canadian River near Interstate 44. The tornado then turned more east and then east-northeast after crossing Interstate 44. Violent EF4 damage was again observed as it began to move into progressively higher density residental areas approaching May Avenue.

The center of the large tornado path passed near SW 149th Street and Western Avenue. After crossing Western Avenue, numerous buildings were destroyed and horses killed at Orr Family Farm. Two storage tanks estimated to weigh approximately 10 tons were lifted from Orr Family Farm and landed about one-half mile east. Moving east, the tornado destroyed much of Briarwood Elementary School, where the NWS storm survey team rated damage as EF5. Despite the destruction of this elementary school during school hours, no fatalities occurred at the school. As the tornado continued to move east and east-northeast, it moved through much more densely populated suburban neighborhoods of southwest Oklahoma City and Moore where violent destruction was widespread. The width of EF4 and greater damage was up to 250 yards wide as the tornado moved through neighborhoods east of Western Avenue. The first two fatalities occurred in a house in the neighborhood just east of Briarwood Elementary, with another fatality in a house as the tornado approached Santa Fe Avenue.

After crossing Santa Fe Avenue, the tornado moved through more suburban neighborhoods and toward Plaza Towers Elementary School. Damage to the school was extensive and seven children were killed when a wall collapsed at the school. Nine other people were killed in eight different neighborhood homes within one-quarter mile of Plaza Towers Elementary, most occurring just south of the school.

The tornado turned northeast as it approached Telephone Road, made a loop near the intersection of Telephone Road and 4th Street, then moved southeast crossing the interstate. Three people were killed when a convenience store along Telephone Road was destroyed. Crossing Telephone Road, the tornado inflicted significant damage to the Moore Medical Center, a post office and numerous businesses along Telephone Road and Interstate 35. Although the tornado was more narrow after crossing Interstate 35, it continued to produce EF4 damage in neighborhoods east of the interstate as it curved east and then again east-northeast. One fatality occurred at a business just east of the interstate, and one final fatality occurred in a home between Eastern Avenue and Bryant Avenue. Consistent EF4 damage continued until the tornado passed SE 4th Street just east of Bryant Avenue. Moving east from Bryant, the tornado continued to produce EF2 damage with isolated EF4 damage noted. The density of housing also decreased east of Bryant as the tornado moved east and east-northeast before dissipating east of Air Depot Blvd. between SE 119th Street and SE 134th Street in southeast Oklahoma City.

Overall, over 300 homes experienced EF4/EF5 damage along the tornado path.

Direct Fatalities: M63BU, F38PH, F45PH, F40PH, F70PH, F7PH, F4PH, F49PH, F51PH, M46PH, M54PH, M65PH, M39PH, F90PH, F29PS, F49PS, M0PS, F9SC, F9SC, F9SC, M8SC, M9SC, M9SC

0 0 20K 0 v, and moved northe	Hail (2.50 in) Source: Trained Spotter Tornado (EF1, L: 4.00 mi , W: 200 yd) Source: Storm Chaser ast to between Marlow and Bray. Minor
20K 0	Tornado (EF1, L: 4.00 mi , W: 200 yd) Source: Storm Chaser
0	Source: Storm Chaser
0	Source: Storm Chaser
u, and moved northe	ast to between Marlow and Bray. Minor
	Hail (2.00 in)
0	Source: Official NWS Observations
0	Hail (1.00 in)
0	Source: Public
0	Hail (1.75 in)
0	Source: Amateur Radio
0	Tornado (EF0, L: 1.21 mi , W: 100 yd)
0	Source: NWS Employee
rted	
_ _	0 0 0

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
JEFFERSON COUNTY CORNISH [34.16	_			
	05/20/13 15:45 CST		0	Hail (2.50 in)
	05/20/13 15:45 CST		0	Source: Public
GARVIN COUNTY 6.2 W STRATFORD [3				
	05/20/13 15:52 CST		0	Hail (1.75 in)
	05/20/13 15:52 CST		0	Source: Public
MURRAY COUNTY 2.1 SSE TURNER FA	ALLS [34.40, -97.14]			
	05/20/13 16:43 CST		0	Hail (1.00 in)
	05/20/13 16:43 CST		0	Source: Emergency Manager
CARTER COUNTY GENE AUTRY [34.28	97.041			
	05/20/13 16:45 CST		25K	Thunderstorm Wind (EG 61 kt)
	05/20/13 16:45 CST		0	Source: Emergency Manager
Roof blown off of Old Gene Autry Gym.				
IOHNSTON COUNTY 2.4 WNW WAPAN	UCKA [34.38, -96.46]			
	05/20/13 17:39 CST		1K	Thunderstorm Wind (MG 70 kt)
	05/20/13 17:39 CST		0	Source: Trained Spotter
A spotter reported branches down in the are	ea.			
COAL COUNTY 4.0 WSW LEHIGH [34.4	5, -96.28], 2.0 E LEHIGH [34.47, -9	96.18]		
	05/20/13 17:49 CST		30K	Tornado (EF1, L: 5.90 mi , W: 250 yd)
	05/20/13 17:57 CST		0	Source: Emergency Manager
Emergency management and spotters repo		9-1-1-1-1	15K 0	Thunderstorm Wind (EG 56 kt) Source: Emergency Manager
Frees and power lines reported down on the	west side of Durant.			
CARTER COUNTY 2.4 NNE LONE GROV	/E [34.21, -97.24]			
	05/20/13 19:05 CST		0	Thunderstorm Wind (MG 54 kt)
	05/20/13 19:05 CST		0	Source: Mesonet
Mesonet WNW of Ardmore reported a gust	to 62 mph.			
LOVE COUNTY 0.7 S MARIETTA [33.93,	-97.12]			
	05/20/13 19:24 CST		0	Hail (1.00 in)
	05/20/13 19:24 CST		0	Source: Emergency Manager
MARSHALL COUNTY 3.9 NNE WOODVI	LLE [34.0296.62]			
	05/20/13 20:09 CST		0	Hail (2.75 in)
	05/20/13 20:09 CST		0	Source: Public
BRYAN COUNTY 0.6 W COBB [34.08, -9	6.42] 05/20/13 20:58 CST		0	Hail (1.00 in)
	05/20/13 20:58 CST		0	Source: Emergency Manager
At the intersection of SH-22 and Albert Pike	Rd.			
COMANCHE COUNTY GERONIMO [34.4	8, -98.38]			
•	05/20/13 21:25 CST		0	Hail (1.75 in)
	05/20/13 21:25 CST		0	Source: Fire Department/Rescue

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
STEPHENS COUNTY 1.5 NNW DUNCAN [34.52				Hell (4.05 to)
	05/20/13 22:26 CST 05/20/13 22:26 CST		0	Hail (1.25 in) Source: Law Enforcement
At the Stephens Co. Fairgrounds.	05/20/13 22:20 031		U	Source. Law Emolcement
GARVIN COUNTY WYNNEWOOD [34.64, -97.16	6] 05/20/13 22:27 CST		0	Hail (1.00 in)
	05/20/13 22:27 CST		0	Source: Public
Public reported dime to quarter size hail covering the	ne ground.			
STEPHENS COUNTY 2.8 N EMPIRE CITY [34.4				
	05/20/13 22:34 CST		0	Hail (1.75 in)
	05/20/13 22:34 CST		0	Source: Broadcast Media
Reported via Kswo.				
PONTOTOC COUNTY 1.3 ENE ADA [34.78, -96	-		0	Hail (4 00 in)
	05/20/13 23:26 CST 05/20/13 23:26 CST		0	Hail (1.00 in) Source: Broadcast Media
	03/20/13 23.20 C31		U	Source. Dioducast Media
MCCLAIN COUNTY 1.1 E PURCELL [35.01, -97	=			H # # 00 · >
	05/21/13 03:00 CST 05/21/13 03:00 CST		0	Hail (1.00 in)
	05/21/13 03.00 CS1		0	Source: NWS Employee
CADDO COUNTY 2.3 W CYRIL [34.90, -98.24]				
	05/21/13 04:17 CST		0	Thunderstorm Wind (MG 67 kt)
	05/21/13 04:17 CST		0	Source: Amateur Radio
CADDO COUNTY CYRIL [34.90, -98.20]				
	05/21/13 04:20 CST 05/21/13 04:20 CST		10K 0	Thunderstorm Wind (EG 56 kt) Source: Emergency Manager
	03/21/13 04.20 C31		U	Source. Emergency Manager
Trees damaged and power lines down.				
CADDO COUNTY CYRIL [34.90, -98.20]	05/04/40 04 05 007			H # 4 00 :)
	05/21/13 04:25 CST		0	Hail (1.00 in) Source: Amateur Radio
	05/21/13 04:25 CST		U	Source. Amateur Radio
CADDO COUNTY CEMENT [34.94, -98.14]	05/04/40 04 00 00T		1514	T
	05/21/13 04:26 CST 05/21/13 04:26 CST		15K 0	Thunderstorm Wind (EG 61 kt) Source: Amateur Radio
Roof was blown off building near Highway 277.	03/21/13 04.20 C31		U	Source. Amateur Raulo
GRADY COUNTY NINNEKAH [34.95, -97.92]	05/21/13 04:46 CST		0	Hail (1.75 in)
	05/21/13 04:46 CST		0	Source: Trained Spotter
CADDO COUNTY CEMENT [34.94, -98.14]	05/21/13 04:49 CST		10K	Thunderstorm Wind (EG 56 kt)
	05/21/13 04:49 CST		0	Source: Amateur Radio
Trees and power lines were reported down.				
GRADY COUNTY 2.1 NNW NINNEKAH [34.98,	-97.93]			
	05/21/13 04:50 CST		0	Thunderstorm Wind (MG 52 kt)
	05/21/13 04:50 CST		0	Source: Mesonet

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
GREER COUNTY 1.1 E REED [34.90, -99.68	B]			
	05/21/13 08:53 CST		0	Hail (1.00 in)
	05/21/13 08:53 CST		0	Source: Emergency Manager
REER COUNTY 3.0 SSE BRINKMAN [34.9	97, -99.50]			
	05/21/13 09:00 CST		0	Hail (1.75 in)
	05/21/13 09:00 CST		0	Source: Emergency Manager
IOWA COUNTY 0.7 S LONE WOLF [34.98	99.25]			
	05/21/13 09:16 CST		0	Hail (1.75 in)
	05/21/13 09:16 CST		0	Source: Amateur Radio
a tornado outbreak occurred during the after lown through south central Oklahoma near t floore and south Oklahoma City. This tornad laimed 24 lives and caused billions of dollar nany areas.	the Red River. The strongest to lo caused catastrophic damage	ornado touched do e in these areas, w	wn near Newcastl ith a maximum rat	e and traveled through ting of EF-5. The tornado
ONTOTOC COUNTY 1.3 ENE ADA [34.78,	96.661			
	05/20/13 23:30 CST		0	Hail (1.25 in)
	05/20/13 23:30 CST		0	Source: Public
o damage was reported.				
REER COUNTY GRANITE [34.96, -99.38]				
	05/21/13 09:17 CST		0	Hail (1.25 in)
	05/21/13 09:17 CST		0	Source: Public
IOWA COUNTY LONE WOLF [34.99, -99.2	251			
	05/21/13 09:19 CST		0	Hail (1.75 in)
	05/21/13 09:19 CST		0	Source: Amateur Radio
ADDO COUNTY FAKINGE 24 00 FC				
ADDO COUNTY EAKLY [35.31, -98.56]	05/21/13 10:14 CST		0	Hail (1.75 in)
	05/21/13 10:14 CST		0	Source: Amateur Radio
ADDO COUNTY BINGER [35.31, -98.34]	05/21/13 10:20 CST		0	Hail (1.75 in)
	05/21/13 10:20 CST		0	Source: Amateur Radio
	03/21/13 10:20 031		O	Source. Affateur Nadio
ANADIAN COUNTY 12.8 SSW CALUMET	= = = = = = = = = = = = = = = = = = = =			
ANADIAN COUNTY 12.8 SSW CALUMET	05/21/13 10:40 CST		0	Hail (1.50 in)
CANADIAN COUNTY 12.8 SSW CALUMET	= = = = = = = = = = = = = = = = = = = =		0	Hail (1.50 in) Source: Public
	05/21/13 10:40 CST 05/21/13 10:40 CST	96.14], 0.1 SW AT	0	Source: Public
	05/21/13 10:40 CST 05/21/13 10:40 CST	96.14], 0.1 SW AT	0	Source: Public
	05/21/13 10:40 CST 05/21/13 10:40 CST -96.13], 0.3 W ATOKA [34.38, -	96.14], 0.1 SW AT	0 DKA [34.38, -96.13	Source: Public], 0.1 NNW ATOKA [34.38, -96.13]
TOKA COUNTY 0.3 WNW ATOKA [34.38,	05/21/13 10:40 CST 05/21/13 10:40 CST -96.13], 0.3 W ATOKA [34.38, - 05/21/13 13:08 CST 05/21/13 15:08 CST		0 DKA [34.38, -96.13] 0 0	Source: Public], 0.1 NNW ATOKA [34.38, -96.13] Flash Flood (due to Heavy Rain) Source: Public
TOKA COUNTY 0.3 WNW ATOKA [34.38, looding and road closures reported at the 900 COAL COUNTY 4.5 NE COTTONWOOD [34	05/21/13 10:40 CST 05/21/13 10:40 CST -96.13], 0.3 W ATOKA [34.38, - 05/21/13 13:08 CST 05/21/13 15:08 CST	block of E 6th St. I	0 DKA [34.38, -96.13] 0 0 No damage was re	Source: Public], 0.1 NNW ATOKA [34.38, -96.13] Flash Flood (due to Heavy Rain) Source: Public ported.
CANADIAN COUNTY 12.8 SSW CALUMET ATOKA COUNTY 0.3 WNW ATOKA [34.38, Flooding and road closures reported at the 900 COAL COUNTY 4.5 NE COTTONWOOD [34.61, -96.14]	05/21/13 10:40 CST 05/21/13 10:40 CST -96.13], 0.3 W ATOKA [34.38, - 05/21/13 13:08 CST 05/21/13 15:08 CST 0 block of W 6th St. and the 700	block of E 6th St. I	0 DKA [34.38, -96.13] 0 0 No damage was reply, 4.5 NE COTTON	Source: Public], 0.1 NNW ATOKA [34.38, -96.13] Flash Flood (due to Heavy Rain) Source: Public ported. IWOOD [34.61, -96.14], 4.6 NE
ATOKA COUNTY 0.3 WNW ATOKA [34.38, Flooding and road closures reported at the 900 COAL COUNTY 4.5 NE COTTONWOOD [34	05/21/13 10:40 CST 05/21/13 10:40 CST -96.13], 0.3 W ATOKA [34.38, - 05/21/13 13:08 CST 05/21/13 15:08 CST	block of E 6th St. I	0 DKA [34.38, -96.13] 0 0 No damage was re	Source: Public], 0.1 NNW ATOKA [34.38, -96.13] Flash Flood (due to Heavy Rain) Source: Public ported.

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A shortwave trough progressed through the southern Plains during the first part of the day, resulting in thunderstorm development over west Texas early in the morning. These storms intensified and expanded in coverage as they moved eastward into Oklahoma, with

ADDITION OF COUNTY	Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
05/23/13 06/30 CST	isolated reports of large hail in the most intens	e cores.			
OS23/13 06:30 CST	CANADIAN COUNTY 0.9 NW YUKON [35.51,	-			
CLEVELAND COUNTY 8.6 W MOORE [35.36, 47.64] 05/23/13 05/42 CST 0 Hail (1.75 in) 05/23/13 05/42 CST 0 Source: Public					
05/23/13 05/42 CST		05/23/13 05:30 CST		0	Source: Public
1.104th SW and Council. 1.104th SW and Council. 1.104th SW and Council. 1.104th SW and Council. 1.104th SW and Councy	:LEVELAND COUNTY 8.6 W MOORE [35.36,	, -97.64]			
At 104th SW and County 18 SSE WHEATLAND [35.38, -97.64], 1.3 SE (OKC)WILL ROGERS APT [35.38, -97.58], 1.9 NNE (OKC)WILL ROGERS APT [35.41, -97.68], 1.3 WNW WHEATLAND [35.41, -97.67]				0	
MILAHOMA COUNTY 1.8 SSE WHEATLAND [35.34, -97.64], 1.3 SE (OKC)WILL ROGERS APT [35.38, -97.58], 1.9 NNE (OKC)WILL ROGERS APT [35.41, -97.68], 1.3 WNW WHEATLAND [35.41, -97.67]		05/23/13 05:42 CST		0	Source: Public
SSA1, 97.58], 1.3 WNW WHEATLAND [35.41, 97.67] 05/23/13 06:55 CST 0 Source: Public	at 104th SW and Council.				
05/23/13 05/55 CST	OKLAHOMA COUNTY 1.8 SSE WHEATLAND) [35.38, -97.64], 1.3 SE (OKC)	WILL ROGERS A	PT [35.38, -97.58],	1.9 NNE (OKC)WILL ROGERS APT
1.0 1.0	35.41, -97.58], 1.3 WNW WHEATLAND [35.41, -	=		2014	Flood Flood (due to Hoovy Daio)
Reports of water over roadways at several locations including S Rockwell and SW 89th, SW 59th and S County Line Rd, and S Portland and SW 89th, sinkhole opened at intersection of SW 74th and S Rockwell Ave, making the road impassable. CCCLAIN COUNTY NEWCASTLE [35.25, -97.60]					
CCCAIN COUNTY NEWCASTLE [35.25, -97.60]		05/23/13 08:55 CST		0	Source: Public
CCLAIN COUNTY NEWCASTLE [35.25, -97.60] 05/23/13 06:02 CST 0 Thunderstorm Wind (EG 56 kt) 05/23/13 06:02 CST 0 Source: NWS Employee	· ·	_		and S County Line	e Rd, and S Portland and SW 89th.
05/23/13 06:02 CST 0 Thunderstorm Wind (EG 56 kt) 05/23/13 06:02 CST 0 Source: NWS Employee Estimated 65 mph. SARVIN COUNTY PAULS VALLEY [34.74, -97.22] 05/23/13 06:49 CST 0 Hail (1.00 in) Source: Trained Spotter O5/23/13 06:49 CST 0 Source: Trained Spotter O5/23/13 06:49 CST 0 Hail (1.75 in) Source: Public O5/23/13 06:53 CST 0 Source: Public O5/23/13 06:53 CST 0 Source: Public O5/23/13 06:53 CST 0 Flash Flood (due to Heavy Rain) Source: Broadcast Media O5/23/13 07:05 CST 0 Flash Flood (due to Heavy Rain) Source: Broadcast Media O5/23/13 07:05 CST 0 Source: Broadcast Media O5/23/13 07:35 CST 0 Hail (2.50 in) Source: Broadcast Media O5/23/13 07:35 CST 0 Source: Broadcast Media	·				
Sarvin County Pauls Valley [34.74, -97.22]	MCCLAIN COUNTY NEWCASTLE [35.25, -97	-		0	Thunderstorm Wind (FC FC Lt)
SARVIN COUNTY PAULS VALLEY [34.74, -97.22] 05/23/13 06:49 CST 0					•
SARVIN COUNTY PAULS VALLEY [34.74, -97.22]		05/23/13 06:02 CST		0	Source: NWS Employee
06/23/13 06:49 CST 0 Hail (1.00 in) 05/23/13 06:49 CST 0 Source: Trained Spotter Dime to quarter size hail reported. Dime to quarter size hail reported. Dime to quarter size hail reported. DisarVin COUNTY PAULS VALLEY [34.74, -97.22] 05/23/13 06:53 CST 0 Hail (1.75 in) 05/23/13 06:53 CST 0 Source: Public Disserved 1 mile east of I-35. Also 1.5" hail reported two minutes later. DisarVin COUNTY 0.5 NNW WHEATLAND [35.41, -97.65], 0.9 ENE WHEATLAND [35.41, -97.64], 1.6 NNE WHEATLAND [35.42, -97.64], 1.8 NW WHEATLAND [35.41, -97.67] 05/23/13 07:00 CST 0 Flash Flood (due to Heavy Rain) 05/23/13 07:00 CST 0 Source: Broadcast Media County Line Road flooded between SW 44th and 59th St. No damage reported. DisarVin COUNTY DAVIS [34.50, -97.12] 05/23/13 07:35 CST 0 Hail (2.50 in) 05/23/13 07:35 CST 0 Source: Emergency Manager DISARVIN COUNTY 0.6 W SULPHUR [34.51, -96.98] 05/23/13 07:50 CST 0 Hail (1.00 in) 05/23/13 07:50 CST 0 Source: Public	stimated 65 mph.				
05/23/13 06:49 CST 0 Source: Trained Spotter SARVIN COUNTY PAULS VALLEY [34.74, -97.22] 05/23/13 06:53 CST 0 Source: Public Observed 1 mile east of I-35. Also 1.5" hair reported two minutes later. OKLAHOMA COUNTY 0.5 NNW WHEATLAND [35.41, -97.65], 0.9 ENE WHEATLAND [35.41, -97.64], 1.6 NNE WHEATLAND [35.42, -97.64], 1.8 NW WHEATLAND [35.44, -97.67], 1.3 WNW WHEATLAND [35.41, -97.67] 0 Flash Flood (due to Heavy Rain) 05/23/13 07:00 CST 0 Source: Broadcast Media O5/23/13 10:00 CST 0 Source: Broadcast Media O5/23/13 07:35 CST 0 Source: Emergency Manager O5/23/13 07:35 CST 0 Source: Emergency Manager O5/23/13 07:50 CST 0 Source: Emergency Manager	GARVIN COUNTY PAULS VALLEY [34.74, -9	7.22]			
Dime to quarter size hail reported. SARVIN COUNTY PAULS VALLEY [34.74, -97.22] 05/23/13 06:53 CST 0 Source: Public Observed 1 mile east of I-35. Also 1.5" hail reported two minutes later. OKLAHOMA COUNTY 0.5 NNW WHEATLAND [35.41, -97.65], 0.9 ENE WHEATLAND [35.41, -97.64], 1.6 NNE WHEATLAND [35.42, -97.64], 1.8 NW WHEATLAND [35.42, -97.67], 1.3 WNW WHEATLAND [35.41, -97.67] 05/23/13 07:00 CST 0 Flash Flood (due to Heavy Rain) 05/23/13 10:00 CST 0 Source: Broadcast Media County Line Road flooded between SW 44th and 59th St. No damage reported. MURRAY COUNTY DAVIS [34.50, -97.12] 05/23/13 07:35 CST 0 Source: Emergency Manager MURRAY COUNTY 0.6 W SULPHUR [34.51, -96.98] 05/23/13 07:50 CST 0 Source: Public CANADIAN COUNTY 3.0 SSE YUKON [35.46, -97.72], 3.8 SE YUKON [35.46, -97.70], 3.2 NNE MUSTANG [35.43, -97.70], 2.8 N MUSTANG [35.44], -97.72]		05/23/13 06:49 CST		0	Hail (1.00 in)
3ARVIN COUNTY PAULS VALLEY [34.74, -97.22]		05/23/13 06:49 CST		0	Source: Trained Spotter
05/23/13 06:53 CST 0 Hail (1.75 in) 05/23/13 06:53 CST 0 Source: Public Disserved 1 mile east of I-35. Also 1.5" hail reported two minutes later. DISTRICT OF STATE OF SOURCE: Public DISTRICT OF STATE OF SOURCE: Public DISTRICT OF SOURCE: Public DIST	Dime to quarter size hail reported.				
05/23/13 06:53 CST 0 Source: Public Observed 1 mile east of I-35. Also 1.5" hail reported two minutes later. OKLAHOMA COUNTY 0.5 NNW WHEATLAND [35.41, -97.65], 0.9 ENE WHEATLAND [35.41, -97.64], 1.6 NNE WHEATLAND [35.42, -97.64], 1.8 NW WHEATLAND [35.42, -97.67], 1.3 WNW WHEATLAND [35.41, -97.67] 05/23/13 07:00 CST 0 Flash Flood (due to Heavy Rain) 05/23/13 10:00 CST 0 Source: Broadcast Media County Line Road flooded between SW 44th and 59th St. No damage reported. MURRAY COUNTY DAVIS [34.50, -97.12] 05/23/13 07:35 CST 0 Hail (2.50 in) 05/23/13 07:35 CST 0 Source: Emergency Manager MURRAY COUNTY 0.6 W SULPHUR [34.51, -96.98] 05/23/13 07:50 CST 0 Source: Public CANADIAN COUNTY 3.0 SSE YUKON [35.46, -97.72], 3.8 SE YUKON [35.46, -97.70], 3.2 NNE MUSTANG [35.43, -97.70], 2.8 N MUSTANG [35.43, -97.70], 7.2 NNE MUSTANG [35.43, -97.70], 2.8 N MUSTANG [35.43, -97.70], 7.2 NNE MUSTANG [35.43, -97.70], 2.8 N MUSTANG [35.43, -97.70], 97.72]	GARVIN COUNTY PAULS VALLEY [34.74, -9	7.22]			
Disserved 1 mile east of I-35. Also 1.5" hail reported two minutes later. DISCALAHOMA COUNTY 0.5 NNW WHEATLAND [35.41, -97.65], 0.9 ENE WHEATLAND [35.41, -97.64], 1.6 NNE WHEATLAND [35.42, -97.64], 1.8 NW WHEATLAND [35.42, -97.67], 1.3 WNW WHEATLAND [35.41, -97.67] 05/23/13 07:00 CST 0 Flash Flood (due to Heavy Rain) 05/23/13 10:00 CST 0 Source: Broadcast Media DISCALAHOMA COUNTY DAVIS [34.50, -97.12] 05/23/13 07:35 CST 0 Hail (2.50 in) 05/23/13 07:35 CST 0 Source: Emergency Manager DISCALAHOMA COUNTY 0.6 W SULPHUR [34.51, -96.98] 05/23/13 07:50 CST 0 Source: Public DISCALAHOMA COUNTY 3.0 SSE YUKON [35.46, -97.72], 3.8 SE YUKON [35.46, -97.70], 3.2 NNE MUSTANG [35.43, -97.70], 2.8 N MUSTANG [35.43, -97.70], 2.8 N MUSTANG [35.43, -97.70], 2.7 NE MUSTANG [35.44], -97.72]		05/23/13 06:53 CST		0	Hail (1.75 in)
OKLAHOMA COUNTY 0.5 NNW WHEATLAND [35.41, -97.65], 0.9 ENE WHEATLAND [35.41, -97.64], 1.6 NNE WHEATLAND [35.42, -97.64], 1.8 NW WHEATLAND [35.42, -97.67], 1.3 WNW WHEATLAND [35.41, -97.67] 05/23/13 07:00 CST 0 Flash Flood (due to Heavy Rain) 05/23/13 10:00 CST 0 Source: Broadcast Media County Line Road flooded between SW 44th and 59th St. No damage reported. MURRAY COUNTY DAVIS [34.50, -97.12] 05/23/13 07:35 CST 0 Hail (2.50 in) 05/23/13 07:35 CST 0 Source: Emergency Manager MURRAY COUNTY 0.6 W SULPHUR [34.51, -96.98] 05/23/13 07:50 CST 0 Hail (1.00 in) 05/23/13 07:50 CST 0 Source: Public CANADIAN COUNTY 3.0 SSE YUKON [35.46, -97.72], 3.8 SE YUKON [35.46, -97.70], 3.2 NNE MUSTANG [35.43, -97.70], 2.8 N MUSTANG [35.43, -97.72] 05/23/13 08:00 CST 75K Flash Flood (due to Heavy Rain)		05/23/13 06:53 CST		0	Source: Public
### WHEATLAND [35.42, -97.67], 1.3 WNW WHEATLAND [35.41, -97.67] 05/23/13 07:00 CST	Observed 1 mile east of I-35. Also 1.5" hail repor	ted two minutes later.			
05/23/13 07:00 CST 0 Flash Flood (due to Heavy Rain) 05/23/13 10:00 CST 0 Source: Broadcast Media County Line Road flooded between SW 44th and 59th St. No damage reported. MURRAY COUNTY DAVIS [34.50, -97.12] 05/23/13 07:35 CST 0 Hail (2.50 in) 05/23/13 07:35 CST 0 Source: Emergency Manager MURRAY COUNTY 0.6 W SULPHUR [34.51, -96.98] 05/23/13 07:50 CST 0 Hail (1.00 in) 05/23/13 07:50 CST 0 Source: Public CANADIAN COUNTY 3.0 SSE YUKON [35.46, -97.72], 3.8 SE YUKON [35.46, -97.70], 3.2 NNE MUSTANG [35.43, -97.70], 2.8 N MUSTANG [35.43, -97.70], 3.8 N MUSTANG [35.43, -9	DKLAHOMA COUNTY 0.5 NNW WHEATLAN	D [35.41, -97.65], 0.9 ENE WH	EATLAND [35.41,	-97.64], 1.6 NNE V	VHEATLAND [35.42, -97.64], 1.8 NW
05/23/13 10:00 CST 0 Source: Broadcast Media County Line Road flooded between SW 44th and 59th St. No damage reported. MURRAY COUNTY DAVIS [34.50, -97.12] 05/23/13 07:35 CST 0 Hail (2.50 in) 05/23/13 07:35 CST 0 Source: Emergency Manager MURRAY COUNTY 0.6 W SULPHUR [34.51, -96.98] 05/23/13 07:50 CST 0 Hail (1.00 in) 05/23/13 07:50 CST 0 Source: Public CANADIAN COUNTY 3.0 SSE YUKON [35.46, -97.72], 3.8 SE YUKON [35.46, -97.70], 3.2 NNE MUSTANG [35.43, -97.70], 2.8 N MUSTANG [35.43, 97.72] 05/23/13 08:00 CST 75K Flash Flood (due to Heavy Rain)	NHEATLAND [35.42, -97.67], 1.3 WNW WHEAT	•			
County Line Road flooded between SW 44th and 59th St. No damage reported. MURRAY COUNTY DAVIS [34.50, -97.12] 05/23/13 07:35 CST 0 Hail (2.50 in) 05/23/13 07:35 CST 0 Source: Emergency Manager MURRAY COUNTY 0.6 W SULPHUR [34.51, -96.98] 05/23/13 07:50 CST 0 Hail (1.00 in) 05/23/13 07:50 CST 0 Source: Public CANADIAN COUNTY 3.0 SSE YUKON [35.46, -97.72], 3.8 SE YUKON [35.46, -97.70], 3.2 NNE MUSTANG [35.43, -97.70], 2.8 N MUSTANG [35.43, 97.72] 05/23/13 08:00 CST 75K Flash Flood (due to Heavy Rain)					
MURRAY COUNTY DAVIS [34.50, -97.12] 05/23/13 07:35 CST 0		05/23/13 10:00 CST		0	Source: Broadcast Media
05/23/13 07:35 CST 0 Hail (2.50 in) 05/23/13 07:35 CST 0 Source: Emergency Manager MURRAY COUNTY 0.6 W SULPHUR [34.51, -96.98] 05/23/13 07:50 CST 0 Hail (1.00 in) 05/23/13 07:50 CST 0 Source: Public CANADIAN COUNTY 3.0 SSE YUKON [35.46, -97.72], 3.8 SE YUKON [35.46, -97.70], 3.2 NNE MUSTANG [35.43, -97.70], 2.8 N MUSTANG [35.43, -97.72] 05/23/13 08:00 CST 75K Flash Flood (due to Heavy Rain)	County Line Road flooded between SW 44th and	1 59th St. No damage reported			
05/23/13 07:35 CST 0 Source: Emergency Manager MURRAY COUNTY 0.6 W SULPHUR [34.51, -96.98] 05/23/13 07:50 CST 0 Hail (1.00 in) 05/23/13 07:50 CST 0 Source: Public CANADIAN COUNTY 3.0 SSE YUKON [35.46, -97.72], 3.8 SE YUKON [35.46, -97.70], 3.2 NNE MUSTANG [35.43, -97.70], 2.8 N MUSTANG [35.43, -97.70], 2.8 N MUSTANG [35.43, -97.72] 05/23/13 08:00 CST 75K Flash Flood (due to Heavy Rain)	MURRAY COUNTY DAVIS [34.50, -97.12]				
MURRAY COUNTY 0.6 W SULPHUR [34.51, -96.98] 05/23/13 07:50 CST 0 Hail (1.00 in) 05/23/13 07:50 CST 0 Source: Public CANADIAN COUNTY 3.0 SSE YUKON [35.46, -97.72], 3.8 SE YUKON [35.46, -97.70], 3.2 NNE MUSTANG [35.43, -97.70], 2.8 N MUSTANG [35.43, -97.70] 05/23/13 08:00 CST 75K Flash Flood (due to Heavy Rain)		05/23/13 07:35 CST		0	Hail (2.50 in)
05/23/13 07:50 CST 0 Hail (1.00 in) 05/23/13 07:50 CST 0 Source: Public CANADIAN COUNTY 3.0 SSE YUKON [35.46, -97.72], 3.8 SE YUKON [35.46, -97.70], 3.2 NNE MUSTANG [35.43, -97.70], 2.8 N MUSTANG [35.43, 97.72] 05/23/13 08:00 CST 75K Flash Flood (due to Heavy Rain)		05/23/13 07:35 CST		0	Source: Emergency Manager
05/23/13 07:50 CST 0 Hail (1.00 in) 05/23/13 07:50 CST 0 Source: Public CANADIAN COUNTY 3.0 SSE YUKON [35.46, -97.72], 3.8 SE YUKON [35.46, -97.70], 3.2 NNE MUSTANG [35.43, -97.70], 2.8 N MUSTANG [35.43, 97.72] 05/23/13 08:00 CST 75K Flash Flood (due to Heavy Rain)	MURRAY COUNTY 0.6 W SULPHUR [34.51	96.98]			
CANADIAN COUNTY 3.0 SSE YUKON [35.46, -97.72], 3.8 SE YUKON [35.46, -97.70], 3.2 NNE MUSTANG [35.43, -97.70], 2.8 N MUSTANG [35.43, 97.72] 05/23/13 08:00 CST 75K Flash Flood (due to Heavy Rain)	,	=		0	Hail (1.00 in)
97.72] 05/23/13 08:00 CST 75K Flash Flood (due to Heavy Rain)					
97.72] 05/23/13 08:00 CST 75K Flash Flood (due to Heavy Rain)	CANADIAN COUNTY 2 0 SSE VIIVON (SE 40	07 721 2 2 SE VIIVON F25 4	6 07 701 2 2 1111	MIISTANG 12F 41	2 07 701 2 9 N MUSTANG 12F 42
		, -91.12], 3.0 SE TUKUN [35.4	υ, - 3 1./U], 3.2 NNI	- WIUSTANG [35.43	, -91.10J, 2.0 N MUSTANG [33.43,
05/23/13 08:00 CST 0 Source: Broadcast Media		05/23/13 08:00 CST		75K	Flash Flood (due to Heavy Rain)
		05/23/13 08:00 CST		0	Source: Broadcast Media

Flooding along Sara Rd between SW 15th St. and 29th St. Several cars stranded or inundated. No injuries reported. Damages estimated.

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	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
CANADIAN COUNTY 3.2 NE MUSTANG [35. [35.40, -97.68]	42, -97.68], 2.6 NNE MUSTANG	G [35.42, -97.70], 1	1.7 NE MUSTANG	[35.40, -97.70], 2.5 ENE MUSTANG
	05/23/13 08:00 CST		0	Flash Flood (due to Heavy Rain)
	05/23/13 11:00 CST		0	Source: Broadcast Media
looding reported near SW 44th St. and Morgar	n Rd between 44th and 59th St.	No damage repo	rted.	
ARTER COUNTY DICKSON [34.19, -96.99]				
	05/23/13 08:15 CST		0	Thunderstorm Wind (EG 56 kt)
	05/23/13 08:15 CST		0	Source: Amateur Radio
stimated gust of 65 mph.				
ARTER COUNTY DICKSON [34.19, -96.99]				
	05/23/13 08:16 CST		0	Thunderstorm Wind (EG 56 kt)
	05/23/13 08:16 CST		0	Source: Amateur Radio
stimated gust to 65 mph.				
ANADIAN COUNTY 0.9 NW YUKON [35.51	· =			
	05/23/13 08:35 CST		0	Hail (1.00 in)
	05/23/13 08:35 CST		0	Source: Public
RYAN COUNTY 2.9 W MEAD [34.00, -96.56	6]			
	05/23/13 08:39 CST		0.10K	Thunderstorm Wind (EG 50 kt)
	05/23/13 08:39 CST		0	Source: Trained Spotter
ELEVELAND COUNTY 1.8 N (OUN)NORMAI IE (OUN)NORMAN WESTHEIMER ARPT [35.2	-	= -		
	05/23/13 09:00 CST		0	Source: Broadcast Media
	ad Taranasah Dal Marahama	ranartad		
Flash flooding along 12th St between Franklin a	nd Tecumsen Rd. No damage	reported.		
CLEVELAND COUNTY 3.1 S MOORE [35.30	, -97.48], 2.7 NNW (OUN)NORM	MAN WESTHEIME		7.48], 2.7 N (OUN)NORMAN
CLEVELAND COUNTY 3.1 S MOORE [35.30	, -97.48], 2.7 NNW (OUN)NORI N)NORMAN WESTHEIMER AR	MAN WESTHEIME	!	- · · ·
CLEVELAND COUNTY 3.1 S MOORE [35.30	, -97.48], 2.7 NNW (OUN)NORM	MAN WESTHEIME		7.48], 2.7 N (OUN)NORMAN Flash Flood (due to Heavy Rain) Source: Broadcast Media
CLEVELAND COUNTY 3.1 S MOORE [35.30 VESTHEIMER ARPT [35.29, -97.47], 3.1 N (OU	, -97.48], 2.7 NNW (OUN)NORI N)NORMAN WESTHEIMER AF 05/23/13 09:00 CST 05/23/13 12:00 CST	MAN WESTHEIME RPT [35.29, -97.47]	0	Flash Flood (due to Heavy Rain)
ELEVELAND COUNTY 3.1 S MOORE [35.30 VESTHEIMER ARPT [35.29, -97.47], 3.1 N (OU	, -97.48], 2.7 NNW (OUN)NORM N)NORMAN WESTHEIMER AF 05/23/13 09:00 CST 05/23/13 12:00 CST e NW north of Norman. No dam	MAN WESTHEIME RPT [35.29, -97.47] nage reported.	0 0	Flash Flood (due to Heavy Rain) Source: Broadcast Media
CLEVELAND COUNTY 3.1 S MOORE [35.30 VESTHEIMER ARPT [35.29, -97.47], 3.1 N (OU	, -97.48], 2.7 NNW (OUN)NORM N)NORMAN WESTHEIMER AF 05/23/13 09:00 CST 05/23/13 12:00 CST e NW north of Norman. No dam	MAN WESTHEIME RPT [35.29, -97.47] nage reported.	0 0	Flash Flood (due to Heavy Rain) Source: Broadcast Media
ELEVELAND COUNTY 3.1 S MOORE [35.30 VESTHEIMER ARPT [35.29, -97.47], 3.1 N (OU	, -97.48], 2.7 NNW (OUN)NORM N)NORMAN WESTHEIMER AF 05/23/13 09:00 CST 05/23/13 12:00 CST e NW north of Norman. No dam	MAN WESTHEIME RPT [35.29, -97.47] nage reported.	0 0 0 NOBLE [35.18, -97	Flash Flood (due to Heavy Rain) Source: Broadcast Media .38], 3.1 N NOBLE [35.18, -97.39]
CLEVELAND COUNTY 3.1 S MOORE [35.30 VESTHEIMER ARPT [35.29, -97.47], 3.1 N (OU Vater over roadway at Indian Hills and 24th Ave CLEVELAND COUNTY 3.2 SE NORMAN [35	, -97.48], 2.7 NNW (OUN)NORN N)NORMAN WESTHEIMER AF 05/23/13 09:00 CST 05/23/13 12:00 CST e NW north of Norman. No dam .19, -97.39], 3.7 N NOBLE [35.4 05/23/13 09:00 CST 05/23/13 12:00 CST	MAN WESTHEIME RPT [35.29, -97.47] nage reported.	0 0 0 NOBLE [35.18, -97.	Flash Flood (due to Heavy Rain) Source: Broadcast Media 38], 3.1 N NOBLE [35.18, -97.39] Flash Flood (due to Heavy Rain)
Flash flooding along 12th St between Franklin a CLEVELAND COUNTY 3.1 S MOORE [35.30 WESTHEIMER ARPT [35.29, -97.47], 3.1 N (OU Water over roadway at Indian Hills and 24th Ave CLEVELAND COUNTY 3.2 SE NORMAN [35 Water over road at S Highway 9 and 36th Ave S Moderate northwest flow aloft existed over Okstate. Elevated thunderstorms developed in the	, -97.48], 2.7 NNW (OUN)NORM N)NORMAN WESTHEIMER AF 05/23/13 09:00 CST 05/23/13 12:00 CST e NW north of Norman. No dam 19, -97.39], 3.7 N NOBLE [35.405/23/13 09:00 CST 05/23/13 12:00 CST 05/23/13 12:00 CST SE in Norman. No damage repo	MAN WESTHEIME RPT [35.29, -97.47] hage reported. 19, -97.38], 3.1 N Norted. boundary extendse, primarily near	NOBLE [35.18, -97, 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Flash Flood (due to Heavy Rain) Source: Broadcast Media 38], 3.1 N NOBLE [35.18, -97.39] Flash Flood (due to Heavy Rain) Source: Broadcast Media oss the center of the and trained over a region
CLEVELAND COUNTY 3.1 S MOORE [35.30 VESTHEIMER ARPT [35.29, -97.47], 3.1 N (OU Vater over roadway at Indian Hills and 24th Ave CLEVELAND COUNTY 3.2 SE NORMAN [35 Vater over road at S Highway 9 and 36th Ave S Moderate northwest flow aloft existed over Oktate. Elevated thunderstorms developed in the	, -97.48], 2.7 NNW (OUN)NORM N)NORMAN WESTHEIMER AF 05/23/13 09:00 CST 05/23/13 12:00 CST e NW north of Norman. No dam 19, -97.39], 3.7 N NOBLE [35.405/23/13 09:00 CST 05/23/13 12:00 CST 05/23/13 12:00 CST SE in Norman. No damage repo	MAN WESTHEIME RPT [35.29, -97.47] hage reported. 19, -97.38], 3.1 N Norted. boundary extendse, primarily near	NOBLE [35.18, -97, 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Flash Flood (due to Heavy Rain) Source: Broadcast Media 38], 3.1 N NOBLE [35.18, -97.39] Flash Flood (due to Heavy Rain) Source: Broadcast Media oss the center of the and trained over a region
CLEVELAND COUNTY 3.1 S MOORE [35.30 VESTHEIMER ARPT [35.29, -97.47], 3.1 N (OU Vater over roadway at Indian Hills and 24th Ave CLEVELAND COUNTY 3.2 SE NORMAN [35 Vater over road at S Highway 9 and 36th Ave S Moderate northwest flow aloft existed over Oktate. Elevated thunderstorms developed in thoughly extending from Kingfisher to Durant.	, -97.48], 2.7 NNW (OUN)NORN N)NORMAN WESTHEIMER AF 05/23/13 09:00 CST 05/23/13 12:00 CST e NW north of Norman. No dam 19, -97.39], 3.7 N NOBLE [35.05/23/13 09:00 CST 05/23/13 12:00 CST 05/23/13 12:00 CST E in Norman. No damage reported dahoma, with a diffuse frontal ne early morning before sunris Damaging winds and margina	MAN WESTHEIME RPT [35.29, -97.47] hage reported. 19, -97.38], 3.1 N Norted. boundary extendse, primarily near	NOBLE [35.18, -97. 0 0 0 ling west-east acrethe I-35 corridor, are reported, along	Flash Flood (due to Heavy Rain) Source: Broadcast Media 38], 3.1 N NOBLE [35.18, -97.39] Flash Flood (due to Heavy Rain) Source: Broadcast Media oss the center of the and trained over a region g with some flash flooding.
CLEVELAND COUNTY 3.1 S MOORE [35.30 VESTHEIMER ARPT [35.29, -97.47], 3.1 N (OU Vater over roadway at Indian Hills and 24th Ave CLEVELAND COUNTY 3.2 SE NORMAN [35 Vater over road at S Highway 9 and 36th Ave S Moderate northwest flow aloft existed over Oktate. Elevated thunderstorms developed in thoughly extending from Kingfisher to Durant.	, -97.48], 2.7 NNW (OUN)NORN N)NORMAN WESTHEIMER AF 05/23/13 09:00 CST 05/23/13 12:00 CST e NW north of Norman. No dam 19, -97.39], 3.7 N NOBLE [35.405/23/13 09:00 CST 05/23/13 12:00 CST 05/23/13 12:00 CST E in Norman. No damage report dahoma, with a diffuse frontal ne early morning before sunris Damaging winds and margina [35.55, -99.75] 05/24/13 18:30 CST	MAN WESTHEIME RPT [35.29, -97.47] hage reported. 19, -97.38], 3.1 N Norted. boundary extendse, primarily near	NOBLE [35.18, -97.00] ling west-east acrethe I-35 corridor, are reported, along	Flash Flood (due to Heavy Rain) Source: Broadcast Media 38], 3.1 N NOBLE [35.18, -97.39] Flash Flood (due to Heavy Rain) Source: Broadcast Media oss the center of the and trained over a region g with some flash flooding. Thunderstorm Wind (MG 56 kt)
CLEVELAND COUNTY 3.1 S MOORE [35.30 VESTHEIMER ARPT [35.29, -97.47], 3.1 N (OU Vater over roadway at Indian Hills and 24th Ave CLEVELAND COUNTY 3.2 SE NORMAN [35 Vater over road at S Highway 9 and 36th Ave S Moderate northwest flow aloft existed over Ok	, -97.48], 2.7 NNW (OUN)NORN N)NORMAN WESTHEIMER AF 05/23/13 09:00 CST 05/23/13 12:00 CST e NW north of Norman. No dam 19, -97.39], 3.7 N NOBLE [35.05/23/13 09:00 CST 05/23/13 12:00 CST 05/23/13 12:00 CST E in Norman. No damage report klahoma, with a diffuse frontal ne early morning before sunris Damaging winds and margina [35.55, -99.75] 05/24/13 18:30 CST 05/24/13 18:30 CST	MAN WESTHEIME RPT [35.29, -97.47] hage reported. 19, -97.38], 3.1 N Norted. boundary extendse, primarily near	NOBLE [35.18, -97. 0 0 0 ling west-east acrethe I-35 corridor, are reported, along	Flash Flood (due to Heavy Rain) Source: Broadcast Media 38], 3.1 N NOBLE [35.18, -97.39] Flash Flood (due to Heavy Rain) Source: Broadcast Media oss the center of the and trained over a region g with some flash flooding.
ELEVELAND COUNTY 3.1 S MOORE [35.30 VESTHEIMER ARPT [35.29, -97.47], 3.1 N (OU Vater over roadway at Indian Hills and 24th Ave ELEVELAND COUNTY 3.2 SE NORMAN [35 Vater over road at S Highway 9 and 36th Ave S Moderate northwest flow aloft existed over Ok tate. Elevated thunderstorms developed in thoughly extending from Kingfisher to Durant.	, -97.48], 2.7 NNW (OUN)NORM N)NORMAN WESTHEIMER AF 05/23/13 09:00 CST 05/23/13 12:00 CST e NW north of Norman. No dam 19, -97.39], 3.7 N NOBLE [35.405/23/13 09:00 CST 05/23/13 12:00 CST 05/23/13 12:00 CST 6E in Norman. No damage reported in the early morning before sunristic Damaging winds and margina [35.55, -99.75] 05/24/13 18:30 CST 05/24/13 18:30 CST	MAN WESTHEIME RPT [35.29, -97.47] hage reported. 19, -97.38], 3.1 N Norted. boundary extendse, primarily near	NOBLE [35.18, -97.00] ling west-east acrethe I-35 corridor, are reported, along	Flash Flood (due to Heavy Rain) Source: Broadcast Media 38], 3.1 N NOBLE [35.18, -97.39] Flash Flood (due to Heavy Rain) Source: Broadcast Media oss the center of the and trained over a region g with some flash flooding. Thunderstorm Wind (MG 56 kt)
ELEVELAND COUNTY 3.1 S MOORE [35.30 VESTHEIMER ARPT [35.29, -97.47], 3.1 N (OU Vater over roadway at Indian Hills and 24th Ave ELEVELAND COUNTY 3.2 SE NORMAN [35 Vater over road at S Highway 9 and 36th Ave S Moderate northwest flow aloft existed over Ok tate. Elevated thunderstorms developed in thoughly extending from Kingfisher to Durant.	, -97.48], 2.7 NNW (OUN)NORM N)NORMAN WESTHEIMER AF 05/23/13 09:00 CST 05/23/13 12:00 CST e NW north of Norman. No dam 19, -97.39], 3.7 N NOBLE [35.405/23/13 09:00 CST 05/23/13 12:00 CST 05/23/13 12:00 CST 6E in Norman. No damage reported in the early morning before sunristic Damaging winds and margina [35.55, -99.75] 05/24/13 18:30 CST 05/24/13 18:30 CST	MAN WESTHEIME RPT [35.29, -97.47] hage reported. 19, -97.38], 3.1 N Norted. boundary extendse, primarily near	NOBLE [35.18, -97.00] ling west-east acrethe I-35 corridor, are reported, along	Flash Flood (due to Heavy Rain) Source: Broadcast Media 38], 3.1 N NOBLE [35.18, -97.39] Flash Flood (due to Heavy Rain) Source: Broadcast Media oss the center of the and trained over a region g with some flash flooding. Thunderstorm Wind (MG 56 kt)

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CUSTER COUNTY --- 2.8 E CLINTON [35.51, -98.92]

Very strong instability combined with margina Oklahoma during the afternoon and evening. C			Crop Dmg	
Co.			=	
GREER COUNTY 7.0 N REED [35.00, -99.68]				
•	05/27/13 17:30 CST		0	Thunderstorm Wind (EG 61 kt)
	05/27/13 17:30 CST		0	Source: Law Enforcement
Law Enforcement estimated 70 mph gusts.				
GREER COUNTY 1.1 E REED [34.90, -99.68]				
	05/27/13 17:33 CST		0	Hail (1.00 in)
	05/27/13 17:33 CST		0	Source: Emergency Manager
BECKHAM COUNTY 4.2 ESE ERICK [35.19,	-99.801			
3= =====,	05/27/13 17:45 CST		0	Thunderstorm Wind (MG 56 kt)
	05/27/13 17:45 CST		0	Source: Mesonet
Mesonet site at Erick measured a gust to 65 mpt	h. Also gusts to 60 mph and 55	5 mph at the next t	wo (5-minute) obse	ervations.
BECKHAM COUNTY 0.6 E SAYRE [35.30, -9	9.63]			
• * * * * * * * * * * * * * * * * * * *	05/27/13 17:58 CST		0	Thunderstorm Wind (EG 52 kt)
	05/27/13 17:58 CST		0	Source: Fire Department/Rescue
Fire Department estimated gusts to 60 mph.				
ROGER MILLS COUNTY 4.8 NE DEMPSEY [:				
	05/27/13 18:10 CST		0	Thunderstorm Wind (MG 56 kt)
	05/27/13 18:10 CST		0	Source: Mesonet
Mesonet site SW of Cheyenne measured a gust	to 64 mph.			
WASHITA COUNTY 0.9 SW CANUTE [35.41,	-99.29]			
	05/27/13 18:15 CST		10K	Thunderstorm Wind (EG 56 kt)
	05/27/13 18:15 CST		0	Source: Public
A roof was blown off a barn SW of Canute.				
WASHITA COUNTY 4.7 SSW (CSM)CLINTON	N SHERMAN AIRPORT [35.28,	, -99.24]		
	05/27/13 18:17 CST		0	Hail (1.75 in)
	05/27/13 18:17 CST		0	Source: Amateur Radio
CUSTER COUNTY 3.6 ENE CLINTON [35.53,	-98.911			
	05/27/13 18:18 CST		15K	Thunderstorm Wind (MG 61 kt)
	05/27/13 18:18 CST		0	Source: ASOS
Measured at KCSM. Moderate damage to airpor blown into the ceilometer of the ASOS.	t. Doors were blown off a hang	gar, as well as wind	dows in the control	tower. A 400 lb. round bail was also
WASHITA COUNTY 0.6 W BURNS FLAT [35.	36, -99.19]			
	05/27/13 18:18 CST		0	Thunderstorm Wind (MG 61 kt)
	05/27/13 18:18 CST		0	Source: ASOS
Measured at Clinton-Sherman Airport.				
WASHITA COUNTY BURNS FLAT [35.36, -99	9.18]			
WASHITA COUNTY BURNS FLAT [35.36, -99	0.18] 05/27/13 18:22 CST		0	Hail (1.75 in)

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	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/27/13 18:36 CST		40K	Thunderstorm Wind (EG 65 kt)
	05/27/13 18:36 CST		0	Source: Emergency Manager
A 60x30 ft. metal roof was blown off the Whitedo	ng Hill Restaurant near I-40 mi	le marker 70. Billbo	oard also damaged	near the same location.
NASHITA COUNTY 3.5 N BESSIE [35.43, -98	3.99] 05/27/13 18:40 CST		0	Hail (1.75 in)
	05/27/13 18:40 CST		0	Source: Trained Spotter
	03/2//13 10.40 031		Ü	Gource. Trained opolier
CUSTER COUNTY 1.8 NE CLINTON [35.53, -	=			
	05/27/13 18:42 CST		5K	Thunderstorm Wind (EG 56 kt)
	05/27/13 18:42 CST		0	Source: Emergency Manager
linor damage to a hangar at CLK airport.				
:USTER COUNTY 3.9 E CLINTON [35.51, -9	-			
	05/27/13 18:42 CST		30K	Thunderstorm Wind (EG 56 kt)
	05/27/13 18:42 CST		0	Source: Emergency Manager
Five power poles down 1 mile N of I-40 exit 71.				
CUSTER COUNTY CLINTON [35.51, -98.97]				
	05/27/13 18:42 CST		2K	Thunderstorm Wind (EG 61 kt)
	05/27/13 18:42 CST		0	Source: Emergency Manager
wo trees of around 10" diameter were snapped				
USTER COUNTY 1.8 NE CLINTON [35.53, -	98.951			
,	05/27/13 18:55 CST		0	Thunderstorm Wind (MG 68 kt)
	05/27/13 18:55 CST		0	Source: ASOS
DEWEY COUNTY OAKWOOD [35.93, -98.70]			•	11 7 / 4 05 :)
DEWEY COUNTY OAKWOOD [35.93, -98.70]	05/27/13 19:12 CST		0	Hail (1.25 in)
DEWEY COUNTY OAKWOOD [35.93, -98.70]			0 0	Hail (1.25 in) Source: Fire Department/Rescue
DEWEY COUNTY OAKWOOD [35.93, -98.70] The Oakwood Fire Dept. reported quarter to half	05/27/13 19:12 CST 05/27/13 19:12 CST			
The Oakwood Fire Dept. reported quarter to half High-based supercells developed over the Tex early evening. Numerous reports of severe wir	05/27/13 19:12 CST 05/27/13 19:12 CST dollar size hail.	-	0 ed northeast into w	Source: Fire Department/Rescue
	05/27/13 19:12 CST 05/27/13 19:12 CST dollar size hail. as Panhandle during the aftends (some significant) and lands	-	0 od northeast into w ived, particularly a	Source: Fire Department/Rescue vestern Oklahoma by uround the Elk
The Oakwood Fire Dept. reported quarter to half high-based supercells developed over the Texe early evening. Numerous reports of severe wire City-Clinton area.	05/27/13 19:12 CST 05/27/13 19:12 CST dollar size hail. sas Panhandle during the after ads (some significant) and laid 09.63] 05/28/13 16:20 CST	-	0 ed northeast into w ived, particularly a 0	Source: Fire Department/Rescue vestern Oklahoma by uround the Elk Hail (1.00 in)
The Oakwood Fire Dept. reported quarter to half ligh-based supercells developed over the Textarly evening. Numerous reports of severe wire city-Clinton area.	05/27/13 19:12 CST 05/27/13 19:12 CST dollar size hail. as Panhandle during the aftends (some significant) and lands	-	0 od northeast into w ived, particularly a	Source: Fire Department/Rescue vestern Oklahoma by uround the Elk
The Oakwood Fire Dept. reported quarter to half high-based supercells developed over the Texterly evening. Numerous reports of severe wire city-Clinton area.	05/27/13 19:12 CST 05/27/13 19:12 CST dollar size hail. sas Panhandle during the aftends (some significant) and laid 09.63] 05/28/13 16:20 CST 05/28/13 16:20 CST	-	0 ed northeast into w ived, particularly a 0	Source: Fire Department/Rescue vestern Oklahoma by uround the Elk Hail (1.00 in)
The Oakwood Fire Dept. reported quarter to half digh-based supercells developed over the Texterly evening. Numerous reports of severe wire City-Clinton area.	05/27/13 19:12 CST 05/27/13 19:12 CST dollar size hail. sas Panhandle during the aftends (some significant) and laid 09.63] 05/28/13 16:20 CST 05/28/13 16:20 CST	-	0 ed northeast into w ived, particularly a 0	Source: Fire Department/Rescue vestern Oklahoma by uround the Elk Hail (1.00 in)
The Oakwood Fire Dept. reported quarter to half high-based supercells developed over the Texterly evening. Numerous reports of severe wire city-Clinton area.	05/27/13 19:12 CST 05/27/13 19:12 CST dollar size hail. sas Panhandle during the after dds (some significant) and lai 09.63] 05/28/13 16:20 CST 05/28/13 16:20 CST	-	0 od northeast into w ived, particularly a 0 0	Source: Fire Department/Rescue vestern Oklahoma by around the Elk Hail (1.00 in) Source: Public
The Oakwood Fire Dept. reported quarter to half high-based supercells developed over the Texterly evening. Numerous reports of severe wire city-Clinton area. HARPER COUNTY 1.4 S BUFFALO [36.81, -5] HARPER COUNTY 11.3 NW BUFFALO [36.99]	05/27/13 19:12 CST 05/27/13 19:12 CST dollar size hail. as Panhandle during the after dds (some significant) and land 09.63] 05/28/13 16:20 CST 05/28/13 16:20 CST 5, -99.77] 05/28/13 17:45 CST 05/28/13 17:45 CST	rge hail were rece	od northeast into wived, particularly a	Source: Fire Department/Rescue vestern Oklahoma by around the Elk Hail (1.00 in) Source: Public Hail (1.75 in) Source: Public
The Oakwood Fire Dept. reported quarter to half High-based supercells developed over the Tex early evening. Numerous reports of severe wir City-Clinton area.	05/27/13 19:12 CST 05/27/13 19:12 CST dollar size hail. as Panhandle during the after dos (some significant) and land 09.63] 05/28/13 16:20 CST 05/28/13 16:20 CST 5, -99.77] 05/28/13 17:45 CST 05/28/13 17:45 CST n over southwest Kansas, the hail were received over north	rge hail were rece	od northeast into wived, particularly a	Source: Fire Department/Rescue vestern Oklahoma by around the Elk Hail (1.00 in) Source: Public Hail (1.75 in) Source: Public Into Oklahoma, taking on
The Oakwood Fire Dept. reported quarter to half High-based supercells developed over the Texerly evening. Numerous reports of severe win City-Clinton area. HARPER COUNTY 1.4 S BUFFALO [36.81, -5] HARPER COUNTY 11.3 NW BUFFALO [36.95] Supercells developed during the late afternooid a more linear structure. A few reports of large	05/27/13 19:12 CST 05/27/13 19:12 CST 05/27/13 19:12 CST dollar size hail. as Panhandle during the after ds (some significant) and land 09.63] 05/28/13 16:20 CST 05/28/13 16:20 CST 5, -99.77] 05/28/13 17:45 CST 05/28/13 17:45 CST n over southwest Kansas, the hail were received over north	rge hail were rece	od northeast into wived, particularly a 0 0 0 0 ot-southeastward in 10K	Source: Fire Department/Rescue Vestern Oklahoma by Iround the Elk Hail (1.00 in) Source: Public Hail (1.75 in) Source: Public Into Oklahoma, taking on Thunderstorm Wind (MG 61 kt)
The Oakwood Fire Dept. reported quarter to half digh-based supercells developed over the Texterly evening. Numerous reports of severe wincity-Clinton area. HARPER COUNTY 1.4 S BUFFALO [36.81, -5] HARPER COUNTY 11.3 NW BUFFALO [36.99] Supercells developed during the late afternoon more linear structure. A few reports of large lackson COUNTY (LTS)ALTUS AFB [34.66] Gust to 70 mph measured at Altus AFB. A gust to	05/27/13 19:12 CST 05/27/13 19:12 CST 05/27/13 19:12 CST dollar size hail. as Panhandle during the after has (some significant) and lands (some significant) an	rge hail were rece en progressed eas nwest Oklahoma.	od northeast into wived, particularly at 0 0 0 0 0 ot-southeastward in 10K 0	Vestern Oklahoma by Iround the Elk Hail (1.00 in) Source: Public Hail (1.75 in) Source: Public Into Oklahoma, taking on Thunderstorm Wind (MG 61 kt) Source: Other Federal Agency
The Oakwood Fire Dept. reported quarter to half ligh-based supercells developed over the Texarly evening. Numerous reports of severe windity-Clinton area. HARPER COUNTY 1.4 S BUFFALO [36.81, -5] HARPER COUNTY 11.3 NW BUFFALO [36.99] Gupercells developed during the late afternoon more linear structure. A few reports of large ACKSON COUNTY (LTS)ALTUS AFB [34.60] Gust to 70 mph measured at Altus AFB. A gust the city.	05/27/13 19:12 CST 05/27/13 19:12 CST 05/27/13 19:12 CST dollar size hail. as Panhandle during the after has (some significant) and lands (some significant) an	rge hail were rece en progressed eas nwest Oklahoma.	od northeast into wived, particularly at 0 0 0 0 0 ot-southeastward in 10K 0	Vestern Oklahoma by Iround the Elk Hail (1.00 in) Source: Public Hail (1.75 in) Source: Public Into Oklahoma, taking on Thunderstorm Wind (MG 61 kt) Source: Other Federal Agency
The Oakwood Fire Dept. reported quarter to half High-based supercells developed over the Texerly evening. Numerous reports of severe wire City-Clinton area. HARPER COUNTY 1.4 S BUFFALO [36.81, -5] HARPER COUNTY 11.3 NW BUFFALO [36.95] Gupercells developed during the late afternoon a more linear structure. A few reports of large	05/27/13 19:12 CST 05/27/13 19:12 CST 05/27/13 19:12 CST dollar size hail. as Panhandle during the after has (some significant) and lands (some significant) an	rge hail were rece en progressed eas nwest Oklahoma.	od northeast into wived, particularly at 0 0 0 0 0 ot-southeastward in 10K 0	Vestern Oklahoma by Iround the Elk Hail (1.00 in) Source: Public Hail (1.75 in) Source: Public Into Oklahoma, taking on Thunderstorm Wind (MG 61 kt) Source: Other Federal Agency

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No damage was reported.	CONTINENT	Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
0.6329/13 14:40 CST	OSC2913 14-40 CST	No damage was reported.				
Source: Emergency Manager Source: Emergency Manager	OSZ2013 14:40 CST	JACKSON COUNTY ALTUS [34.64, -99.33]				
Several power lines and power poles downed. Damage estimated.	Secretary over illnes and power poles downed. Damage estimated. NADIAN COUNTY — 8.0 W CALUMET [35.60, -86.23] 05.2913 16.00 CST 05.29213 16.10 CST 05.29213 16.20		05/29/13 14:40 CST		10K	Thunderstorm Wind (EG 52 kt)
CANADIAN COUNTY — 6.9 W CALUMET [35.50, -98.23] 05/22/13 16.00 CST	NADIAN COUNTY 6.9 W CALUMET [38.60, -98.23]		05/29/13 14:40 CST		0	Source: Emergency Manager
05/29/13 16:00 CST	05/29/13 16:00 CST	Several power lines and power poles downed. E	Damage estimated.			
05/29/13 16:00 CST 0 Source: Public A tornado touched down briefly about 6 miles west of Calumet destroying a barn and damaging a house. Damage was estimated. COTTON COUNTY 3.6 NW WALTERS [34,39, -98.35] 05/29/13 16:06 CST 20K Thunderstorm Wind (EG 61 kt) 05/29/13 16:06 CST 0 Source: Amateur Radio A large barn was destroyed. COTTON COUNTY 3.5 NE WALTERS ARPT [34,40, -98.36] 05/29/13 16:10 CST 20K Thunderstorm Wind (MG 69 kt) 05/29/13 16:10 CST 0 Source: Mesonet Accorded the at Walters measured a gust to 79 mph. A 24x30 ft. barn was airborne near the same location. CINGFISHER COUNTY OKARCHE [35,73, -97.98] 05/29/13 16:19 CST 0 Thunderstorm Wind (MG 50 kt) 05/29/13 16:19 CST 0 Source: Trained Spotter CADDO COUNTY 2.3 W CYRIL [34,90, -98.24] 05/29/13 16:25 CST 0 Thunderstorm Wind (MG 56 kt) 05/29/13 16:25 CST 0 Source: Amateur Radio COCKER MILLS COUNTY 4.8 NE DEMPSEY [35,55, -98.75] 05/29/13 16:25 CST 0 Thunderstorm Wind (MG 50 kt) 05/29/13 16:25 CST 0 Source: Mesonet CADDO COUNTY 0.7 S ANADARKO [35,07, -98.24] 05/29/13 16:25 CST 0 Source: Mesonet CADDO COUNTY 0.7 S ANADARKO [35,07, -98.24] 05/29/13 16:25 CST 0 Source: Mesonet CADDO COUNTY 0.7 S ANADARKO [35,07, -98.24] 05/29/13 16:30 CST 15K Thunderstorm Wind (MG 56 kt) 05/29/13 16:30 CST 0 Source: Mesonet CADDO COUNTY 0.7 S ANADARKO [35,07, -98.24] 05/29/13 16:30 CST 15K Thunderstorm Wind (MG 56 kt) 05/29/13 16:30 CST 0 Source: Mesonet CADDO COUNTY 0.7 S ANADARKO [35,07, -98.24] 05/29/13 16:30 CST 15K Thunderstorm Wind (MG 56 kt) 05/29/13 16:30 CST 0 Source: Mesonet COMMANCHE COUNTY 2.4 ESE LAWTON [34,69, -98.35] 05/29/13 16:30 CST 15K Thunderstorm Wind (MG 56 kt) 05/29/13 16:30 CST 0 Source: Mesonet COMMANCHE COUNTY 2.4 ESE LAWTON [34,69, -98.35] 05/29/13 16:30 CST 0 Source: COOP Observer COMMANCHE COUNTY 2.4 ESE LAWTON [34,69, -98.35] 05/29/13 16:30 CST 0 Source: COOP Observer	OF Source Public	CANADIAN COUNTY 6.0 W CALUMET [35.6	0, -98.23]			
A tomado touched down briefly about 6 miles west of Calumet destroying a barn and damaging a house. Damage was estimated. **COTTON COUNTY 3.6 NW WALTERS [34.39, -98.35]	Description County		05/29/13 16:00 CST		20K	Tornado (EF1, L: 0.20 mi , W: 20 yd)
COTTON COUNTY 3.6 NW WALTERS [34.39, -98.35]	DITON COUNTY — 3.6 NW WALTERS [34.39, -98.35]		05/29/13 16:00 CST		0	Source: Public
05/29/13 16:08 CST	OS/29/13 16:08 CST	A tornado touched down briefly about 6 miles w	est of Calumet destroying a ba	rn and damaging a	a house. Damage v	vas estimated.
05/29/13 16:08 CST	OS/29/13 16:08 CST	OTTON COUNTY 3.6 NW WALTERS [34.39	9, -98.35]			
COTTON COUNTY 3.5 NE WALTERS ARPT [34.40, -98.36] 05/29/13 16:10 CST	Application County 3.5 NE WALTERS ARPT [34.40, -86.36] 05/29/13 16:10 CST 20K Thunderstorm Wind (MG 69 kt) 05/29/13 16:10 CST 20K Source: Meanet				20K	· · · · · · · · · · · · · · · · · · ·
### COTTON COUNTY 3.5 NE WALTERS ARPT [34.40, -98.36]	OSTON COUNTY 3.5 NE WALTERS ARPT [34.40, -98.36] OS29/13 16:10 CST 20K Thunderstorm Wind (MG 69 kt) OS29/13 16:10 CST 0 Source: Mesonet		05/29/13 16:08 CST		0	Source: Amateur Radio
05/29/13 16:10 CST	05/29/13 16:10 CST	A large barn was destroyed.				
05/29/13 16:10 CST 0 Source: Mesonet Mesonet site at Walters measured a gust to 79 mph. A 24x30 ft. barn was airborne near the same location. KINGFISHER COUNTY OKARCHE [35.73, 97.98] 05/29/13 16:19 CST 0 Thunderstorm Wind (MG 50 kt) 05/29/13 16:19 CST 0 Source: Trained Spotter CADDO COUNTY 2.3 W CYRIL [34.90, -98.24] 05/29/13 16:23 CST 0 Thunderstorm Wind (MG 56 kt) 05/29/13 16:25 CST 0 Source: Amateur Radio CADDO COUNTY 3.2 SSE STECKER [34.92, -98.29] 05/29/13 16:25 CST 0 Thunderstorm Wind (MG 50 kt) 05/29/13 16:25 CST 0 Source: Mesonet CADDO COUNTY 4.8 NE DEMPSEY [35.55, -99.76] 05/29/13 16:25 CST 0 Source: Mesonet CADDO COUNTY 0.7 S ANADARKO [35.07, -98.24] 05/29/13 16:30 CST 15K Thunderstorm Wind (MG 50 kt) 05/29/13 16:30 CST 15K Thunderstorm Wind (EG 56 kt) 05/29/13 16:30 CST 0 Source: NWS Employee COUNTY 2.4 ESE LAWTON [34.80, -98.35] 05/29/13 16:30 CST 1 K Thunderstorm Wind (EG 61 kt) 05/29/13 16:30 CST 0 Source: COOP Observer CODServer reported small limbs down, along with nickel size hail.	05/29/13 16:10 CST 0 Source: Mesonet esonet site at Walters measured a gust to 79 mph. A 24x30 ft. barn was airborne near the same location. NGFISHER COUNTY OKARCHE [35.73, -97.98] 05/29/13 16:19 CST 0 Thunderstorm Wind (MG 50 kt) 05/29/13 16:19 CST 0 Thunderstorm Wind (MG 50 kt) 05/29/13 16:20 CST 0 Thunderstorm Wind (MG 56 kt) 05/29/13 16:23 CST 0 Source: Amateur Radio ADDO COUNTY 3.2 SSE STECKER [34.92, -98.29] 05/29/13 16:25 CST 0 Thunderstorm Wind (MG 50 kt) 05/29/13 16:25 CST 0 Source: Mesonet DGER MILLS COUNTY 4.8 NE DEMPSEY [35.55, -99.75] 05/29/13 16:25 CST 0 Thunderstorm Wind (MG 50 kt) 05/29/13 16:25 CST 0 Source: Mesonet DDO COUNTY 0.7 S ANADARKO [35.07, -98.24] 05/29/13 16:30 CST 15K Thunderstorm Wind (EG 56 kt) 05/29/13 16:30 CST 15K Thunderstorm Wind (EG 56 kt) 05/29/13 16:30 CST 15K Thunderstorm Wind (EG 61 kt) 05/29/13 16:30 CST 1 K Thunderstorm Wind (EG 61 kt) 05/29/13 16:30 CST 0 Source: NWS Employee DMANCHE COUNTY 2.4 ESE LAWTON [34.60, -98.35] 05/29/13 16:30 CST 1 K Thunderstorm Wind (EG 61 kt) 05/29/13 16:30 CST 0 Source: COOP Observer DMANCHE COUNTY 2.4 ESE LAWTON [34.60, -98.35] 05/29/13 16:30 CST 0 Thunderstorm Wind (EG 61 kt) 05/29/13 16:30 CST 0 Source: COOP Observer	COTTON COUNTY 3.5 NE WALTERS ARPT				
Mesonet site at Walters measured a gust to 79 mph. A 24x30 ft. barn was airborne near the same location. KINGFISHER COUNTY OKARCHE [35.73, -97.98] 05/29/13 16:19 CST 0	ADDO COUNTY 2.3 W CYRIL [34.90, -98.24] O5/29/13 16.19 CST O5/29/13 16.25 CST O5/29/13 16.25 CST O5/29/13 16.30 CST O					
CADDO COUNTY OKARCHE [35.73, -97.98] 05/29/13 16:19 CST 0 Thunderstorm Wind (MG 50 kt) 05/29/13 16:19 CST 0 Source: Trained Spotter	NGFISHER COUNTY OKARCHE [35.73, -97.98] 05/29/13 16:19 CST 0		05/29/13 16:10 CST		0	Source: Mesonet
05/29/13 16:19 CST 0 Thunderstorm Wind (MG 50 kt) 05/29/13 16:19 CST 0 Source: Trained Spotter CADDO COUNTY 2.3 W CYRIL [34.90, -98.24] 05/29/13 16:23 CST 0 Thunderstorm Wind (MG 56 kt) 05/29/13 16:23 CST 0 Source: Amateur Radio CADDO COUNTY 3.2 SSE STECKER [34.92, -98.29] 05/29/13 16:25 CST 0 Thunderstorm Wind (MG 50 kt) 05/29/13 16:25 CST 0 Source: Mesonet CADDO COUNTY 4.8 NE DEMPSEY [35.55, -99.75] 05/29/13 16:25 CST 0 Thunderstorm Wind (MG 50 kt) 05/29/13 16:25 CST 0 Source: Mesonet CADDO COUNTY 0.7 S ANADARKO [35.07, -98.24] 05/29/13 16:30 CST 0 Source: Mesonet CADDO COUNTY 0.7 S ANADARKO [35.07, -98.24] 05/29/13 16:30 CST 15K Thunderstorm Wind (EG 56 kt) 05/29/13 16:30 CST 0 Source: NWS Employee COMANCHE COUNTY 2.4 ESE LAWTON [34.60, -96.35] 05/29/13 16:30 CST 1K Thunderstorm Wind (EG 61 kt) 05/29/13 16:30 CST 0 Source: COOP Observer COMANCHE COUNTY 2.4 ESE LAWTON [34.60, -96.35] 05/29/13 16:30 CST 0 Source: COOP Observer CODESERVER reported small limbs down, along with nickel size hall.	05/29/13 16:19 CST 0 Thunderstorm Wind (MG 50 kt) 05/29/13 16:19 CST 0 Source: Trained Spotter ADDO COUNTY 2.3 W CYRIL [34.90, -98.24] 05/29/13 16:23 CST 0 Thunderstorm Wind (MG 56 kt) 05/29/13 16:23 CST 0 Source: Amateur Radio ADDO COUNTY 3.2 SSE STECKER [34.92, -98.29] 05/29/13 16:25 CST 0 Thunderstorm Wind (MG 50 kt) 05/29/13 16:25 CST 0 Source: Mesonet DGER MILLS COUNTY 4.8 NE DEMPSEY [35.55, -99.75] 05/29/13 16:25 CST 0 Thunderstorm Wind (MG 50 kt) 05/29/13 16:25 CST 0 Source: Mesonet DGER MILLS COUNTY 0.7 S ANADARKO [35.07, -98.24] 05/29/13 16:30 CST 0 Source: Mesonet DMANCHE COUNTY 2.4 ESE LAWTON [34.60, -98.35] 05/29/13 16:30 CST 1K Thunderstorm Wind (EG 61 kt) 05/29/13 16:30 CST 0 Source: COOP Observer DSERVEY reported small limbs down, along with nickel size hail. ANADIAN COUNTY OKARCHE [35.73, -97.98] 05/29/13 16:55 CST 0 Thunderstorm Wind (MG 50 kt) Source: Trained Spotter	Mesonet site at Walters measured a gust to 79	mph. A 24x30 ft. barn was airb	orne near the sam	e location.	
05/29/13 16:19 CST 0 Source: Trained Spotter CADDO COUNTY 2.3 W CYRIL [34.90, -98.24] 05/29/13 16:23 CST 0 Thunderstorm Wind (MG 56 kt) 05/29/13 16:25 CST 0 Source: Amateur Radio CADDO COUNTY 3.2 SSE STECKER [34.92, -98.29] 05/29/13 16:25 CST 0 Thunderstorm Wind (MG 50 kt) 05/29/13 16:25 CST 0 Source: Mesonet CADDO COUNTY 4.8 NE DEMPSEY [35.55, -99.75] 05/29/13 16:25 CST 0 Thunderstorm Wind (MG 50 kt) 05/29/13 16:25 CST 0 Source: Mesonet CADDO COUNTY 0.7 S ANADARKO [35.07, -98.24] 05/29/13 16:30 CST 15K Thunderstorm Wind (MG 56 kt) 05/29/13 16:30 CST 0 Source: NWS Employee COMANCHE COUNTY 2.4 ESE LAWTON [34.60, -98.35] 05/29/13 16:30 CST 1K Thunderstorm Wind (EG 61 kt) 05/29/13 16:30 CST 1K Thunderstorm Wind (EG 61 kt) 05/29/13 16:30 CST 0 Source: COOP Observer COMANCHE COUNTY 2.4 ESE LAWTON [34.60, -98.35] 05/29/13 16:30 CST 0 Source: COOP Observer COMANCHE COUNTY 0KARCHE [35.73, -97.98] 05/29/13 16:55 CST 0 Thunderstorm Wind (MG 50 kt)	OS/29/13 16:19 CST O	KINGFISHER COUNTY OKARCHE [35.73, -9	7.98]			
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05/29/13 16:55 CST 0 Source: Trained Spotter		•	-		0	Thunderstorm Wind (MG 50 kt)
·			05/29/13 16:55 CST		0	

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/29/13 17:00 CST	•	0	Thunderstorm Wind (MG 50 kt)
	05/29/13 17:00 CST		0	Source: Mesonet
OGAN COUNTY 3.5 NE LOVELL [36.	- ·			
	05/29/13 17:00 CST		0	Thunderstorm Wind (MG 57 kt)
	05/29/13 17:00 CST		0	Source: Mesonet
VOODWARD COUNTY 1.8 WSW WOO	DDWARD [36.4299.42]			
	05/29/13 17:10 CST		0	Thunderstorm Wind (MG 53 kt)
	05/29/13 17:10 CST		0	Source: Mesonet
VOODWARD COUNTY FORT SUPPL	Y [36 57 -99 57]			
TOODINALD GOOKIT TOKE GOITE	05/29/13 17:12 CST		0	Thunderstorm Wind (EG 61 kt)
	05/29/13 17:12 CST		0	Source: Storm Chaser
storm chaser estimated 70 mph winds in	n Ft. Supply.			
EWEY COUNTY 2.8 N PUTNAM [35.9	90, -98.97]			
-	05/29/13 17:20 CST		0	Thunderstorm Wind (MG 50 kt)
	05/29/13 17:20 CST		0	Source: Mesonet
NEL ALIOMA COLINTY 4.4 E MIDWEST	COTV 125 AC 07 271			
OKLAHOMA COUNTY 1.1 E MIDWEST	05/29/13 17:37 CST		0	Thunderstorm Wind (EG 61 kt)
	05/29/13 17:37 CST		0	Source: Public
Public estimated gusts to 70 mph.				
WOODWARD COUNTY 47 CN MOOD	TI AND ADDT (26.72 . 00.42)			
VOODWARD COUNTY 17.6 N MOORI	05/29/13 17:40 CST		0	Thunderstorm Wind (MG 53 kt)
	05/29/13 17:40 CST		0	Source: Mesonet
CLEVELAND COUNTY 2.2 SSW NORM			40K	Tornado (EE1 1: 0.10 mi - W: 10 vd)
CLEVELAND COUNTY 2.2 SSW NORI	05/29/13 17:42 CST		40K 0	Tornado (EF1, L: 0.10 mi , W: 10 yd) Source: Emergency Manager
A tornado touched down very briefly in the	05/29/13 17:42 CST 05/29/13 17:42 CST e southwest portion of the city of Norr	man, damaging a h	0	Source: Emergency Manager
A tornado touched down very briefly in the	05/29/13 17:42 CST 05/29/13 17:42 CST e southwest portion of the city of Norr	man, damaging a h	0	Source: Emergency Manager
A tornado touched down very briefly in the lamage occurred. The damage amount w	05/29/13 17:42 CST 05/29/13 17:42 CST e southwest portion of the city of Norr vas estimated.	man, damaging a h	0 ome near Fairfield	Source: Emergency Manager Drive and Belmont Drive. No other
tornado touched down very briefly in the amage occurred. The damage amount w	05/29/13 17:42 CST 05/29/13 17:42 CST e southwest portion of the city of Norras estimated. 13, -99.87] 05/29/13 17:45 CST	man, damaging a h	0 ome near Fairfield 0	Source: Emergency Manager Drive and Belmont Drive. No other Hail (1.75 in)
s tornado touched down very briefly in the amage occurred. The damage amount w	05/29/13 17:42 CST 05/29/13 17:42 CST e southwest portion of the city of Norr vas estimated.	man, damaging a h	0 ome near Fairfield	Source: Emergency Manager Drive and Belmont Drive. No other
A tornado touched down very briefly in the lamage occurred. The damage amount was BECKHAM COUNTY 5.5 S ERICK [35.	05/29/13 17:42 CST 05/29/13 17:42 CST e southwest portion of the city of Norras estimated. 13, -99.87] 05/29/13 17:45 CST 05/29/13 17:45 CST	man, damaging a h	0 ome near Fairfield 0	Source: Emergency Manager Drive and Belmont Drive. No other Hail (1.75 in)
A tornado touched down very briefly in the lamage occurred. The damage amount were secured. The damage amount were secured.	05/29/13 17:42 CST 05/29/13 17:42 CST e southwest portion of the city of Norras estimated. 13, -99.87] 05/29/13 17:45 CST 05/29/13 17:45 CST	man, damaging a h	0 ome near Fairfield 0	Source: Emergency Manager Drive and Belmont Drive. No other Hail (1.75 in)
tornado touched down very briefly in the amage occurred. The damage amount we be compared to the county 5.5 S ERICK [35.	05/29/13 17:42 CST 05/29/13 17:42 CST e southwest portion of the city of Norras estimated. 13, -99.87] 05/29/13 17:45 CST 05/29/13 17:45 CST	man, damaging a h	0 ome near Fairfield 0 0	Source: Emergency Manager Drive and Belmont Drive. No other Hail (1.75 in) Source: Emergency Manager
A tornado touched down very briefly in the lamage occurred. The damage amount were secured. The damage amount were secured. The damage amount were secured. The damage amount were secured as a secure secure secured with the secure secured as a secure secure secured with the secure secured as a secure secure secure secured with the secure	05/29/13 17:42 CST 05/29/13 17:42 CST e southwest portion of the city of Norras estimated. 13, -99.87] 05/29/13 17:45 CST 05/29/13 17:45 CST (35.12, -99.91] 05/29/13 17:54 CST 05/29/13 17:54 CST	man, damaging a h	0 nome near Fairfield 0 0	Source: Emergency Manager Drive and Belmont Drive. No other Hail (1.75 in) Source: Emergency Manager Hail (2.90 in)
A tornado touched down very briefly in the lamage occurred. The damage amount were secured. The damage amount were secured. The damage amount were secured. The damage amount were secured as a secure secure secured with the secure secured as a secure secure secured with the secure secured as a secure secure secure secured with the secure	05/29/13 17:42 CST 05/29/13 17:42 CST e southwest portion of the city of Norras estimated. 13, -99.87] 05/29/13 17:45 CST 05/29/13 17:45 CST (35.12, -99.91] 05/29/13 17:54 CST 05/29/13 17:54 CST	man, damaging a h	0 nome near Fairfield 0 0	Source: Emergency Manager Drive and Belmont Drive. No other Hail (1.75 in) Source: Emergency Manager Hail (2.90 in)
	05/29/13 17:42 CST 05/29/13 17:42 CST e southwest portion of the city of Norras estimated. 13, -99.87] 05/29/13 17:45 CST 05/29/13 17:54 CST 05/29/13 17:54 CST 05/29/13 17:54 CST	man, damaging a h	0 ome near Fairfield 0 0 0	Source: Emergency Manager Drive and Belmont Drive. No other Hail (1.75 in) Source: Emergency Manager Hail (2.90 in) Source: Trained Spotter
A tornado touched down very briefly in the lamage occurred. The damage amount were secured. The damage amount were secured. The damage amount were secured. The damage amount were secured to the secure secure secured to the secure secured to the secure secure secured to the secure secu	05/29/13 17:42 CST 05/29/13 17:42 CST e southwest portion of the city of Norras estimated. 13, -99.87] 05/29/13 17:45 CST 05/29/13 17:45 CST (35.12, -99.91] 05/29/13 17:54 CST 05/29/13 17:54 CST DAM [35.58, -99.25] 05/29/13 17:55 CST	man, damaging a h	0 ome near Fairfield 0 0 0	Source: Emergency Manager Drive and Belmont Drive. No other Hail (1.75 in) Source: Emergency Manager Hail (2.90 in) Source: Trained Spotter Thunderstorm Wind (MG 59 kt)
A tornado touched down very briefly in the lamage occurred. The damage amount were secured.	05/29/13 17:42 CST 05/29/13 17:42 CST e southwest portion of the city of Norras estimated. 13, -99.87] 05/29/13 17:45 CST 05/29/13 17:45 CST 05/29/13 17:54 CST 05/29/13 17:55 CST 05/29/13 17:55 CST	man, damaging a h	O Ome near Fairfield O O O O O	Source: Emergency Manager Drive and Belmont Drive. No other Hail (1.75 in) Source: Emergency Manager Hail (2.90 in) Source: Trained Spotter Thunderstorm Wind (MG 59 kt) Source: Mesonet
A tornado touched down very briefly in the lamage occurred. The damage amount were secured.	05/29/13 17:42 CST 05/29/13 17:42 CST e southwest portion of the city of Norral estimated. 13, -99.87] 05/29/13 17:45 CST 05/29/13 17:45 CST 05/29/13 17:54 CST 05/29/13 17:55 CST 05/29/13 17:55 CST	man, damaging a h	O ome near Fairfield O O O O O O	Source: Emergency Manager Drive and Belmont Drive. No other Hail (1.75 in) Source: Emergency Manager Hail (2.90 in) Source: Trained Spotter Thunderstorm Wind (MG 59 kt) Source: Mesonet
A tornado touched down very briefly in the lamage occurred. The damage amount were secknam county 5.5 s erick [35.] BECKHAM COUNTY 6.6 SSW ERICK	05/29/13 17:42 CST 05/29/13 17:42 CST e southwest portion of the city of Norras estimated. 13, -99.87] 05/29/13 17:45 CST 05/29/13 17:45 CST 05/29/13 17:54 CST 05/29/13 17:55 CST 05/29/13 17:55 CST	man, damaging a h	O Ome near Fairfield O O O O O	Source: Emergency Manager Drive and Belmont Drive. No other Hail (1.75 in) Source: Emergency Manager Hail (2.90 in) Source: Trained Spotter Thunderstorm Wind (MG 59 kt) Source: Mesonet
A tornado touched down very briefly in the damage occurred. The damage amount were detected as the damage amount were detected. The damage amount were detected as the damage amount were detected. The damage amount were detected as the damage amount were detected. The damage amount were detected as the damage amount were detected. The damage amount were detected as the damage amount were detected. The damage amount were detected as the damage amount were detected. The damage amount were detected as the damage amount were detected. The damage amount were detected as the damage amount were detected. The damage amount were detected as the damage amount were detected. The damage amount were detected as the damage amount were detected. The damage amount were detected as the damage amount were detected. The damage amount were detected as the damage amount were detected as the damage amount were detected. The damage amount were detected as the damage amou	05/29/13 17:42 CST 05/29/13 17:42 CST e southwest portion of the city of Norras estimated. 13, -99.87] 05/29/13 17:45 CST 05/29/13 17:45 CST 05/29/13 17:54 CST DAM [35.58, -99.25] 05/29/13 17:55 CST 05/29/13 17:55 CST	man, damaging a h	O ome near Fairfield O O O O O O	Source: Emergency Manager Drive and Belmont Drive. No other Hail (1.75 in) Source: Emergency Manager Hail (2.90 in) Source: Trained Spotter Thunderstorm Wind (MG 59 kt) Source: Mesonet
A tornado touched down very briefly in the lamage occurred. The damage amount were secknam county 5.5 s erick [35.] BECKHAM COUNTY 6.6 SSW ERICK	05/29/13 17:42 CST 05/29/13 17:42 CST e southwest portion of the city of Norras estimated. 13, -99.87] 05/29/13 17:45 CST 05/29/13 17:45 CST 05/29/13 17:54 CST DAM [35.58, -99.25] 05/29/13 17:55 CST 05/29/13 17:55 CST	man, damaging a h	O ome near Fairfield O O O O O O	Source: Emergency Manager Drive and Belmont Drive. No other Hail (1.75 in) Source: Emergency Manager Hail (2.90 in) Source: Trained Spotter Thunderstorm Wind (MG 59 kt) Source: Mesonet

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/29/13 18:08 CST		0	Thunderstorm Wind (MG 53 kt)
	05/29/13 18:08 CST		0	Source: ASOS
No damage was reported.				
PAYNE COUNTY STILLWATER [36.12, -97.06]			_	
	05/29/13 18:10 CST		0	Thunderstorm Wind (MG 53 kt)
	05/29/13 18:10 CST		0	Source: Mesonet
Mesonet site and KSWO both reported 61 mph gus	ts within two minutes of each	other.		
HARMON COUNTY 5.6 N MADGE [34.98, -99.97	=		0	Hail (0.75 in)
	05/29/13 18:12 CST 05/29/13 18:12 CST		0	Hail (2.75 in) Source: Public
	05/29/13 16.12 C31		U	Source. Public
GREER COUNTY 12.3 NW REED [35.01, -99.87]				
	05/29/13 18:15 CST		0	Hail (2.00 in)
	05/29/13 18:15 CST		0	Source: Amateur Radio
BECKHAM COUNTY 12.4 S ERICK [35.03, -99.8	7]			
•	05/29/13 18:16 CST		0	Hail (2.00 in)
	05/29/13 18:16 CST		0	Source: Trained Spotter
BECKHAM COUNTY 4.2 S NEW LIBERTY [35.3)	n -99 721			
BEOMIAN GOOM I 4.2 O NEW EIBERT [60.00	05/29/13 18:18 CST		0	Hail (1.00 in)
	05/29/13 18:18 CST		0	Source: Fire Department/Rescue
OPER COUNTY AS A NIVER PER COLOR				
GREER COUNTY 12.3 NW REED [35.01, -99.87]	05/29/13 18:20 CST		0	Hail (2.50 in)
	05/29/13 18:20 CST		0	Source: Amateur Radio
BECKHAM COUNTY 12.3 S ERICK [35.03, -99.8	8] 05/29/13 18:21 CST		0	Tornado (EF0, L: 0.75 mi , W: 150 yd)
	05/29/13 18:23 CST		0	Source: Storm Chaser
A storm chaser observed a weak tornado in far soul rotating column of dust observed. The tornado productions of the column of th	•	the Harmon and	Greer County inters	section. A funnel was observed with a
BECKHAM COUNTY ERICK [35.21, -99.87]				
	05/29/13 18:32 CST		2K	Thunderstorm Wind (EG 52 kt)
	05/29/13 18:32 CST		0	Source: Trained Spotter
Numerous large tree limbs reported down.				
JEFFERSON COUNTY 0.7 N RINGLING [34.19,	=			
	05/29/13 18:50 CST		0	Thunderstorm Wind (MG 52 kt)
	05/29/13 18:50 CST		0	Source: Mesonet
CUSTER COUNTY 4.4 NW FOSS RES DAM [35.	58, -99.25]			
•	05/29/13 19:25 CST		0	Thunderstorm Wind (MG 50 kt)
	05/29/13 19:25 CST		0	Source: Mesonet
CUSTER COUNTY 0.9 SE WEATHERFORD [35.	52, -98.69]			
3.5 C2 3.2.3.1 S.10 [80.	05/29/13 21:00 CST		0	Hail (1.00 in)
	05/29/13 21:00 CST		0	Source: Trained Spotter
WASHITA COLINTY 2 9 N CODN 125 42 00 701				
WASHITA COUNTY 2.8 N CORN [35.42, -98.78]	05/29/13 21:00 CST		0	Hail (1.50 in)
	05/29/13 21:00 CST		0	Source: Public

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Location Date/Time Deaths & Property & Eve Injuries Crop Dmg	ent Type and Details
CARTER COUNTY 0.6 E ARDMORE [34.17, -97.13]	
05/29/13 21:35 CST 0 Thu	understorm Wind (MG 57 kt)
05/29/13 21:35 CST 0 Sou	urce: ASOS
ONTOTOC COUNTY 5.3 SW FITTSTOWN [34.56, -96.70]	
05/29/13 23:30 CST 0 Thu	understorm Wind (MG 52 kt)
05/29/13 23:30 CST 0 Sou	urce: Mesonet
RYAN COUNTY 0.7 N SILO [34.05, -96.48]	
	il (1.00 in)
	urce: Public
Large upper trough was ejecting out of the Rockies, with a dryline extending from western Nebraska through the Textering wind shear and instability were in place over the southern Plains. Supercells developed along the dryline during fternoon, then progressed eastward into western Oklahoma, producing hail, wind and isolated tornadoes. Additional hunderstorms developed farther east over western and central Oklahoma during the mid to late afternoon, with sever eported.	ng the early to mid severe
ADDO COUNTY 2.8 S ANADARKO [35.04, -98.24]	
05/30/13 12:42 CST 0 Hai	il (1.75 in)
05/30/13 12:42 CST 0 Sou	urce: Amateur Radio
ADDO COUNTY 2.7 SW ANADARKO [35.05, -98.27]	
	il (1.50 in)
05/30/13 13:05 CST 0 Sou	urce: Public
RADY COUNTY VERDEN [35.08, -98.09]	
	il (1.00 in)
	urce: Public
AYNE COUNTY 1.4 SSW PERKINS [35.96, -97.04], 1.2 SSW PERKINS [35.96, -97.04] 05/30/13 14:08 CST 0 Tor	rnado (EF0, L: 0.26 mi , W: 100 yd)
	urce: Broadcast Media
ornado reported via KWTV. Tornado was brief and only lasted 30 seconds. No damage was reported and the location was	s estimated.
OMANCHE COUNTY 1.8 WSW ELGIN [34.77, -98.32]	
0E/00/40 44.40 OOT	il (1.75 in)
05/30/13 14:13 CST 0 Hai	
	urce: Public
05/30/13 14:13 CST 0 Sou	urce: Public
05/30/13 14:13 CST 0 Sou	urce: Public
05/30/13 14:13 CST 0 Sou OMANCHE COUNTY 2.1 N ELGIN [34.81, -98.29] 05/30/13 14:15 CST 0 Hai	
05/30/13 14:13 CST 0 Sou OMANCHE COUNTY 2.1 N ELGIN [34.81, -98.29] 05/30/13 14:15 CST 0 Hai 05/30/13 14:15 CST 0 Sou	il (1.00 in)
05/30/13 14:13 CST 0 Sou OMANCHE COUNTY 2.1 N ELGIN [34.81, -98.29] 05/30/13 14:15 CST 0 Hai 05/30/13 14:15 CST 0 Sou OMANCHE COUNTY 3.1 NE LAKE ELLSWORTH DAM [34.82, -98.33]	il (1.00 in) urce: Public
05/30/13 14:13 CST 0 Sou OMANCHE COUNTY 2.1 N ELGIN [34.81, -98.29] 05/30/13 14:15 CST 0 Hai 05/30/13 14:15 CST 0 Sou OMANCHE COUNTY 3.1 NE LAKE ELLSWORTH DAM [34.82, -98.33] 05/30/13 14:15 CST 0 Hai	il (1.00 in) urce: Public il (1.00 in)
05/30/13 14:13 CST 0 Sou COMANCHE COUNTY 2.1 N ELGIN [34.81, -98.29] 05/30/13 14:15 CST 0 Hai 05/30/13 14:15 CST 0 Sou COMANCHE COUNTY 3.1 NE LAKE ELLSWORTH DAM [34.82, -98.33] 05/30/13 14:15 CST 0 Hai	il (1.00 in) urce: Public
05/30/13 14:13 CST 0 Sou COMANCHE COUNTY 2.1 N ELGIN [34.81, -98.29] 05/30/13 14:15 CST 0 Hai 05/30/13 14:15 CST 0 Sou COMANCHE COUNTY 3.1 NE LAKE ELLSWORTH DAM [34.82, -98.33] 05/30/13 14:15 CST 0 Hai 05/30/13 14:15 CST 0 Sou AYNE COUNTY 3.5 SW RIPLEY [35.98, -96.94], 3.0 SSW RIPLEY [35.98, -96.93]	il (1.00 in) urce: Public il (1.00 in) urce: Amateur Radio
OMANCHE COUNTY 2.1 N ELGIN [34.81, -98.29] 05/30/13 14:15 CST	il (1.00 in) urce: Public il (1.00 in) urce: Amateur Radio mado (EF0, L: 0.71 mi , W: 100 yd)
05/30/13 14:13 CST 0 Sou COMANCHE COUNTY 2.1 N ELGIN [34.81, -98.29] 05/30/13 14:15 CST 0 Hai 05/30/13 14:15 CST 0 Sou COMANCHE COUNTY 3.1 NE LAKE ELLSWORTH DAM [34.82, -98.33] 05/30/13 14:15 CST 0 Hai 05/30/13 14:15 CST 0 Sou CAYNE COUNTY 3.5 SW RIPLEY [35.98, -96.94], 3.0 SSW RIPLEY [35.98, -96.93] 05/30/13 14:15 CST 0 Tor	il (1.00 in) urce: Public il (1.00 in) urce: Amateur Radio
0 SOUND SOUN	il (1.00 in) urce: Public il (1.00 in) urce: Amateur Radio mado (EF0, L: 0.71 mi , W: 100 yd)
OMANCHE COUNTY 2.1 N ELGIN [34.81, -98.29] 05/30/13 14:15 CST	il (1.00 in) urce: Public il (1.00 in) urce: Amateur Radio mado (EF0, L: 0.71 mi , W: 100 yd)
OMANCHE COUNTY 2.1 N ELGIN [34.81, -98.29] 05/30/13 14:15 CST	il (1.00 in) urce: Public il (1.00 in) urce: Amateur Radio mado (EF0, L: 0.71 mi , W: 100 yd)

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Tomado was reported by a storm chaser via Spotter Network and by broadcast mode. A large revolving bowl wall doud with debris was noted. No damage was reported. COMANCHE COUNTY FLETCHER [34.82, 49.24] 6059013 14:30 CST 0 1 Hall (1.00 in) 6059013 14:30 CST 0 5 Source: Public PAYNE COUNTY 4.0 NNW CUSHING [38.03, -96.78], A.1 NNW CUSHING [38.04, -96.78] 6059013 14:30 CST 0 Tomado (EFO, L. 0.37 m; .W; 50 yd) 6059013 14:30 CST 0 Source: Trained Spotter Tomado was reported via Spotter Network. Rited spin up tomado read Cushing, No damage was reported. COMANCHE COUNTY 1.8 ESE WASHTA [36.99, -98.31] 6059013 14:40 CST 0 Source: Public COMANCHE COUNTY 1.1 EFLETCHER [34.92, -82.21] 6059013 14:40 CST 0 Source: Public COMANCHE COUNTY 1.1 W FLETCHER [34.92, -82.21] 6059013 14:40 CST 0 Source: Public COMANCHE COUNTY 1.7 E FLETCHER [34.92, -82.21] 6059013 14:40 CST 0 Source: Public COMANCHE COUNTY 1.2 ENE ELGN [34.92, -88.21] 6059013 14:40 CST 0 Source: Public COMANCHE COUNTY 1.2 ENE ELGN [34.92, -88.21] 6059013 14:40 CST 0 Source: Public COMANCHE COUNTY 1.2 ENE ELGN [34.93, -88.21] 6059013 14:40 CST 0 Source: Public COMANCHE COUNTY 1.2 ENE ELGN [34.93, -88.21] 6059013 14:40 CST 0 Source: Public COMANCHE COUNTY 1.2 ENE ELGN [34.93, -88.21] 6059013 14:40 CST 0 Source: Public COMANCHE COUNTY 2.1 NNE ELGN [34.93, -88.21] 6059013 14:40 CST 0 Source: Public COMANCHE COUNTY 2.2 ENE ELGN [34.93, -88.13] 6059013 14:40 CST 0 Source: Public COMANCHE COUNTY 2.3 ENE ELGN [34.93, -88.14] 6059013 14:40 CST 0 Source: Public COMANCHE COUNTY 3.6 ENE FLETCHER [34.83, -88.15] 6059013 14:40 CST 0 Source: Public COMANCHE COUNTY 3.6 ENE FLETCHER [34.83, -88.15] 6059013 14:40 CST 0 Source: Public COMANCHE COUNTY 3.6 ENE FLETCHER [34.83, -88.15] 6059013 14:40 CST 0 Source: Public COMANCHE COUNTY 3.6 ENE FLETCHER [34.83, -88.15] 6059013 14:40 CST 0 Source: Public COMANCHE COUNTY 3.6 ENE FLETCHER [34.83, -88.15] 6059013 14:40 CST 0 Source: Public COMANCHE	Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Mail (1.00 In) Source: Public	-	Spotter Network and by broadcas	st media. A large re	evolving bowl wall c	loud with debris was noted. No
OSGO113 14:30 CST	COMANCHE COUNTY FLETCHER [34.82	, -98.24]			
PAYNE COUNTY — 4.0 NNW CUSHING [36.03, -96.79], 4.1 NNW CUSHING [36.04, -96.78]		05/30/13 14:30 CST		0	Hail (1.00 in)
06/30/13 14/37 CST		05/30/13 14:30 CST		0	Source: Public
October Octo	PAYNE COUNTY 4.0 NNW CUSHING [36.	.03, -96.79], 4.1 NNW CUSHING [3	36.04, -96.78]		
Tomado was reported via Spotter Network. Brief spin up tomado near Cushing. No damage was reported. CADOO COUNTY 1.8 ESE WASHITA [35.09, 98.31] 0530/13 14.40 CST 0 Source: Public COMANCHE COUNTY 1.1 E FLETCHER [34.82, 98.22] COMANCHE COUNTY 1.1 W FLETCHER [34.82, 98.28] COMANCHE COUNTY 1.1 W FLETCHER [34.82, 98.28] COMANCHE COUNTY 1.1 W FLETCHER [34.82, 98.28] COMANCHE COUNTY 1.7 E FLETCHER [34.82, 98.28] COMANCHE COUNTY 1.7 E FLETCHER [34.82, 98.28] COMANCHE COUNTY 1.7 E FLETCHER [34.82, 98.28] COMANCHE COUNTY 1.8 ENE ELGIN [34.79, 98.26] COMANCHE COUNTY 1.8 ENE ELGIN [34.79, 98.26] COMANCHE COUNTY 2.1 NNE ELGIN [34.79, 98.26] COMANCHE COUNTY 2.1 NNE ELGIN [34.81, -88.28] COMANCHE COUNTY 2.1 NNE ELGIN [34.81, -88.28] COMANCHE COUNTY 2.0 ENE FLETCHER [34.83, -88.17] COMANCHE COUNTY 4.0 E FLETCHER [34.83, -88.14] COMANCHE COUNTY 4.0 E FLETCHER [34.83, -88.14] COMANCHE COUNTY 3.0 ENE FLETCHER [34.83, -88.14] COMANCHE COUNTY 3.0 ENE FLETCHER [34.83, -88.14] COMANCHE COUNTY 3.0 ENE FLETCHER [34.80, -88.15] COMANCHE COUNTY 3.0 ENE FLETCHER [34.80, -88.15] COMANCHE COUNTY 4.8 E STERLING [34.80, -88.15] COMANCHE COUNTY 5.0 NNE STERLING [34.80, -88.15] COMANCHE COUNTY 5.0 NNE STERLING [34.80, -88.15] COMANCHE COUNTY 5.0 NNE STERLING [34		05/30/13 14:37 CST		0	Tornado (EF0, L: 0.37 mi , W: 50 yd)
CADDO COUNTY — 1.8 ESE WASHTA [35.09, -98.31]					Source: Trained Spotter
OS30/13 14.40 CST O	Tornado was reported via Spotter Network. E	Brief spin up tornado near Cushing	g. No damage was	reported.	
OSSIDITA 14-40 CST	CADDO COUNTY 1.8 ESE WASHITA [35.				
COMANCHE COUNTY — 1.1 E FLETCHER [34.82, -98.22]					
0530/13 14:40 CST 0		05/30/13 14:40 CST		0	Source: Public
COMANCHE COUNTY 1.1 W FLETCHER [34.82, -98.26] (05/30/13 14.40 CST 0 Hall (1.50 in) (05/30/13 14.40 CST 0 Source: Public COMANCHE COUNTY 1.7 E FLETCHER [34.82, -98.21] (05/30/13 14.40 CST 0 Hall (1.00 in) (05/30/13 14.40 CST 0 Source: Public COMANCHE COUNTY 1.8 ENE ELGIN [34.79, -98.26] (05/30/13 14.40 CST 0 Hall (1.50 in) (05/30/13 14.40 CST 0 Source: Public COMANCHE COUNTY 2.1 NNE ELGIN [34.79, -98.26] (05/30/13 14.40 CST 0 Hall (1.50 in) (05/30/13 14.40 CST 0 Source: Public COMANCHE COUNTY 2.1 NNE ELGIN [34.81, -98.26] (05/30/13 14.40 CST 0 Hall (1.75 in) (05/30/13 14.40 CST 0 Source: Public COMANCHE COUNTY 4.0 E FLETCHER [34.83, -98.17] (05/30/13 14.40 CST 0 Hall (1.75 in) (05/30/13 14.40 CST 0 Source: Public COMANCHE COUNTY 6.0 ENE FLETCHER [34.86, -98.14] (05/30/13 14.40 CST 0 Hall (1.75 in) (05/30/13 14.40 CST 0 Source: Public COMANCHE COUNTY 3.6 NNE STERLING [34.80, -98.15] (05/30/13 14.45 CST 0 Source: Public COMANCHE COUNTY 4.8 NE STERLING [34.80, -98.11] (05/30/13 14.45 CST 0 Hall (1.00 in) (05/30/13 14.45 CST 0 Source: Public COMANCHE COUNTY 4.8 NE STERLING [34.80, -98.11] (05/30/13 14.45 CST 0 Hall (1.00 in) (05/30/13 14.45 CST 0 Source: Public	COMANCHE COUNTY 1.1 E FLETCHER				
COMANCHE COUNTY 1.1 W FLETCHER [34.82, -98.26]					
OSGO/13 14.40 CST O		05/30/13 14:40 CST		0	Source: Public
OS/30/13 14:40 CST OMANCHE COUNTY — 1.7 E FLETCHER [34.82, -98.21] OS/30/13 14:40 CST	COMANCHE COUNTY 1.1 W FLETCHER				
COMANCHE COUNTY — 1.7 E FLETCHER [34.82, -98.21] 05/30/13 14:40 CST 0		05/30/13 14:40 CST		0	Hail (1.50 in)
OS30/13 14:40 CST		05/30/13 14:40 CST		0	Source: Public
COMANCHE COUNTY 1.8 ENE ELGIN [34.79, -98.26] O5/30/13 14:40 CST O Source: Public	COMANCHE COUNTY 1.7 E FLETCHER	[34.82, -98.21]			
COMANCHE COUNTY 1.8 ENE ELGIN [34.79, -98.26] 05/30/13 14:40 CST 0 Source: Public COMANCHE COUNTY 2.1 NNE ELGIN [34.81, -98.28] 05/30/13 14:40 CST 0 Source: Public COMANCHE COUNTY 4.0 E FLETCHER [34.83, -98.17] 05/30/13 14:40 CST 0 Source: Public COMANCHE COUNTY 6.0 ENE FLETCHER [34.85, -98.14] 05/30/13 14:40 CST 0 Source: Public COMANCHE COUNTY 6.0 ENE FLETCHER [34.85, -98.14] 05/30/13 14:40 CST 0 Source: Public COMANCHE COUNTY 3.6 NNE STERLING [34.80, -98.15] 05/30/13 14:45 CST 0 Source: Public COMANCHE COUNTY 4.8 NE STERLING [34.80, -98.11] 05/30/13 14:45 CST 0 Source: Public COMANCHE COUNTY 4.8 NE STERLING [34.80, -98.11] 05/30/13 14:45 CST 0 Source: Public COMANCHE COUNTY 4.8 NE STERLING [34.80, -98.11] 05/30/13 14:45 CST 0 Source: Public		05/30/13 14:40 CST		0	Hail (1.00 in)
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COMANCHE COUNTY 6.0 NNE STERLING [34.83, -98.13] 05/30/13 14:45 CST 0 Hail (1.00 in)					
05/30/13 14:45 CST 0 Hail (1.00 in)		05/30/13 14:45 CST		0	Source: Public
. ,	COMANCHE COUNTY 6.0 NNE STERLIN	G [34.83, -98.13]			
05/30/13 14:45 CST 0 Source: Public				0	
		05/30/13 14:45 CST		0	Source: Public

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COMANCHE COUNTY --- 4.0 E FLETCHER [34.82, -98.17]

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/30/13 14:50 CST		0	Hail (1.50 in)
	05/30/13 14:50 CST		0	Source: Public
COMANCHE COUNTY 6.0 NNE STERLING	[34.83, -98.13]			
	05/30/13 14:50 CST		0	Hail (1.50 in)
	05/30/13 14:50 CST		0	Source: Public
COMANCHE COUNTY 3.5 WNW FLETCHE	R [34.83, -98.30]			
	05/30/13 14:51 CST		0	Hail (1.25 in)
	05/30/13 14:51 CST		0	Source: Public
COMANCHE COUNTY 4.5 NE LAKE ELLSV	NORTH DAM [34.84, -98.32]			
	05/30/13 14:55 CST		0	Hail (1.25 in)
	05/30/13 14:55 CST		0	Source: Public
COMANCHE COUNTY 6.0 ENE FLETCHER	[34.85, -98.14]			
	05/30/13 15:00 CST		0	Hail (1.50 in)
	05/30/13 15:00 CST		0	Source: Public
GRADY COUNTY RUSH SPRINGS [34.78, -	97.96]			
	05/30/13 15:18 CST		0	Hail (1.00 in)
	05/30/13 15:18 CST		0	Source: Amateur Radio
CLEVELAND COUNTY 2.9 ENE SLAUGHTE	ERVILLE [35.10, -97.28]			
	05/30/13 15:20 CST		0	Hail (1.00 in)
	05/30/13 15:20 CST		0	Source: Public
CADDO COUNTY 5.0 SSE CEMENT [34.87,	-98.12], 4.5 SSE CEMENT [34.8	88, -98.12], 4.7 SS	E CEMENT [34.88,	-98.11], 5.1 SSE CEMENT [34.87,
-98.11]	05/30/13 15:28 CST		0	Flood (due to Heavy Rain)
	05/30/13 17:28 CST		0	Source: Trained Spotter
Spotters reported water over roadways near in	terstate 44.			
CLEVELAND COUNTY 4.6 E SLAUGHTER	VII I E [25 40 07 25]			
CLEVELAND COUNTY 4.0 E SLAUGHTER	05/30/13 15:30 CST		0	Hail (1.00 in)
	05/30/13 15:30 CST		0	Source: Public
CLEVELAND COUNTY 4.8 S LAKE THUND	ERBIRD DAM [35.15, -97.22] 05/30/13 15:33 CST		0	Hail (1.00 in)
	05/30/13 15:33 CST		0	Source: Public
	00/00/10 10:00 001		· ·	Source. Fulling
CLEVELAND COUNTY 2.2 NW SLAUGHTE				
	05/30/13 15:50 CST		0	Hail (1.00 in)
	05/30/13 15:50 CST		0	Source: Public
STEPHENS COUNTY 4.0 ESE BRAY [34.61				
	05/30/13 16:09 CST		0	Hail (1.00 in)
	05/30/13 16:09 CST		0	Source: Emergency Manager
STEPHENS COUNTY 4.0 ESE BRAY [34.61				
	05/30/13 16:12 CST		0	Hail (1.75 in)
	05/30/13 16:12 CST		0	Source: Emergency Manager
STEPHENS COUNTY 4.0 ESE BRAY [34.61				
	05/30/13 16:27 CST		15K	Hail (4.25 in)
	05/30/13 16:27 CST		0	Source: Storm Chaser

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Several storm spotters and chasers ha	ad vehicle damage.	•		
STEPHENS COUNTY 3.6 SE MARL			30K	Thursdoortoon Wind (FO C4 Id)
	05/30/13 16:30 CST 05/30/13 16:30 CST		0 0	Thunderstorm Wind (EG 61 kt) Source: Public
	03/30/13 10.30 C31		U	Source. Fublic
Large trees up to 16 inches in diamete	er snapped. Minor structural damage also	occurred to roofs	and fences.	
GARVIN COUNTY 0.6 NE PERNEL	L [34.56, -97.50], 1.0 NE PERNELL [34.5	57, -97.50]		Towards (FFO 1 o 44 m) 100 (90 m)
	05/30/13 16:58 CST		0	Tornado (EF0, L: 0.41 mi , W: 200 yd)
	05/30/13 16:59 CST		U	Source: Trained Spotter
Brief rain wrapped tornado was reporte	ed via Spotter Network. No damage was	reported.		
MURRAY COUNTY 12.7 WNW TUR				
	05/30/13 17:40 CST		0	Hail (1.00 in)
	05/30/13 17:40 CST		0	Source: Emergency Manager
GARVIN COUNTY 2.2 SE WHITEBE				
	05/30/13 18:46 CST		0	Thunderstorm Wind (EG 56 kt)
	05/30/13 18:46 CST		0	Source: Trained Spotter
No damage was reported.				
GARVIN COUNTY 0.6 E WHITEBE				
	05/30/13 18:47 CST		0	Thunderstorm Wind (EG 52 kt)
	05/30/13 18:47 CST		0	Source: Trained Spotter
No damage was reported.				
GARVIN COUNTY 2.1 NNW PAULS	S VALLEY [34.77, -97.23]			
	05/30/13 18:51 CST		0	Hail (1.00 in)
	05/30/13 18:51 CST		0	Source: Trained Spotter
GARVIN COUNTY WYNNEWOOD [[34.64, -97.16]			
	05/30/13 19:35 CST		20K	Hail (4.00 in)
	05/30/13 19:35 CST		0	Source: Public
Hail near softball size was reported ald	ong with wind gusts of 50 to 60 mph.			
MURRAY COUNTY 0.9 NW SULPH	IUR [34.52, -96.98]			
	05/30/13 20:23 CST		0	Hail (1.75 in)
	05/30/13 20:23 CST		0	Source: Emergency Manager
MURRAY COUNTY 3.6 NNE SULPI	HUR [34.56, -96.95]			
	05/30/13 20:30 CST		0	Thunderstorm Wind (MG 52 kt)
	05/30/13 20:30 CST		0	Source: Mesonet
MURRAY COUNTY 4.9 N SULPHUI	R [34.58, -96.98]			
	05/30/13 20:30 CST		20K	Thunderstorm Wind (EG 65 kt)
	05/30/13 20:30 CST		0	Source: Emergency Manager
One home had significant roof damage	e. Carport on back of home was also blo	wn away by the wi	nds.	
	ne became the focus for scattered supe curred, very large hail and damaging w		=	
BLAINE COUNTY 2.2 NE GREENF				
	05/31/13 15:59 CST		0	Hail (1.25 in)
	05/31/13 15:59 CST		0	Source: Public

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Hail ranged in size from quarter to half dollar s	size. No damage was reported.			
KAY COUNTY 4.5 E PONCA CITY [36.71,	-			
	05/31/13 16:00 CST		0	Hail (1.00 in)
	05/31/13 16:00 CST		0	Source: Public
KAY COUNTY 4.5 E PONCA CITY [36.71,	-			
	05/31/13 16:00 CST		0	Thunderstorm Wind (EG 56 kt)
	05/31/13 16:00 CST		0	Source: Public
No damage was reported.				
BLAINE COUNTY GEARY [35.63, -98.32]				
	05/31/13 16:20 CST		0	Hail (1.75 in)
	05/31/13 16:20 CST		0	Source: Other Federal Agency
Hail reported from NSSL SHAVE project. No o	damages reported.			
CADDO COUNTY 0.9 SE HINTON [35.46, -	98.35]			
-	05/31/13 16:20 CST		0	Hail (1.25 in)
	05/31/13 16:20 CST		0	Source: Other Federal Agency
Hail was reported via NSSL SHAVE project. N	lo damage was reported.			
INGFISHER COUNTY 1.0 NE OMEGA [35	5.88, -98.19], 2.0 NE OMEGA [35.	.89, -98.17]		
	05/31/13 16:35 CST		0	Tornado (EF0, L: 1.00 mi , W: 50 yd)
Broadcast media and Spotter Network reports PAYNE COUNTY 3.1 WSW LAKE CARL B			was reported.	
FATNE COUNTY 3.1 W3W LAKE CARE B	05/31/13 16:49 CST		0	Thunderstorm Wind (EG 61 kt)
	05/31/13 16:49 CST		0	Source: Trained Spotter
No damage was reported.				
COMANCHE COUNTY 5.3 NNE FAXON [3-	4.5398.541			
	05/31/13 16:50 CST		0	Hail (1.00 in)
	05/31/13 16:50 CST		0	Source: Other Federal Agency
The hail was reported via the SHAVE project.				
CANADIAN COUNTY 7.0 S CALUMET [35.	50, -98.12], 6.8 S CALUMET [35.	50, -98.11]		
•	05/31/13 16:55 CST	· -	1K	Tornado (EF0, L: 0.35 mi , W: 30 yd)
	05/31/13 16:56 CST		0	Source: NWS Storm Survey
Storm damage survey and Spotter Network redamage were noted.	ports confirmed a brief tornado ir	n rural areas south	of Calumet. Conv	ergent wheat pattern and minor tree
COMANCHE COUNTY 4.7 SSE LAWTON [=		_	
	05/31/13 17:00 CST		0	Hail (2.50 in)
	05/31/13 17:00 CST		0	Source: Other Federal Agency
The hail was reported via the NSSL shave pro	oject.			
CANADIAN COUNTY 8.1 S CALUMET [35.				
	05/31/13 17:03 CST	8	0.30M	Tornado (EF3, L: 16.20 mi , W: 4576 yd)
	05/31/13 17:44 CST		0	Source: NWS Storm Survey

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Location	Date/Time	Deaths &	riopeity & Ev	ent Type and Details	
		Injuries	Crop Dmg		
On 31 May an intense long-track tornado formed si	outhwest of El Reno. This e	excentionally wide to	rnado took a complex n	ath ranidly changing in h	hot

On 31 May, an intense, long-track tornado formed southwest of El Reno. This exceptionally wide tornado took a complex path, rapidly changing in both speed and direction. The tornado spared El Reno and its airport from a direct hit, tracking just south of those locations. The tornado damaged numerous homes along with a few businesses near El Reno. Additionally, intense sub-vortices destroyed crops in numerous fields in the area.

The tornado developed at 6:03 p.m. just northeast of the intersection of Heaston and Reuter roads. Initially, the tornado moved to the southeast at 20 to 25 mph. At 6:09 p.m., the tornado turned to the east, just south of Reno Road between Heaston and Brandley roads. The tornado continued to expand in size just southwest of the El Reno Municipal Air Park, where its speed increased to 30 to 40 mph. As the tornado passed just south of the airport, two satellite tornadoes formed briefly on the west side of the tornado.

At 6:19 p.m. the tornado crossed Highway 81 near Reno Road as it continued to expand in size. There, the tornado abruptly turned to the north, while also accelerating to greater than 50 mph. From 6:24 to 6:26 p.m., the tornado reached its maximum in size and intensity near the intersection of Radio and Reuter roads. The tornado, still very large, slowed down as it approached I-40. From 6:27 to 6:35 the tornado made a loop just north of the interstate while decelerating to less than 10 mph. After 6:35, the tornado moved east once again, and dissipated at 6:42 p.m. near the intersection of I-40 and Banner Road.

Eight people were killed in the tornado, all in vehicles. This included three severe storm researchers who were killed east of US-81 as the tornado overtook their position. Additionally, several other people were killed while attempting to escape the tornado near Highway 81. Finally, two people were killed along I-40 while waiting for the storm to pass.

The monetary damages were estimated. This tornado was well sampled by two separate mobile research radar teams – the University of Oklahoma RaXPol radar, and the Center for Severe Weather Research's Doppler on Wheels. Both radars captured high temporal and spatial resolution data relatively close to the large tornado. Both radars measured winds in the tornado of more than 200 mph. The RaXPol radar data shows winds of at least 295 mph very close to the surface. These intense winds were present in very small sub-vortices within the larger tornado circulation. An analysis of the high resolution radar data combined with the results of the ground damage survey indicates that none of these intense sub-vortices impacted any structures in rural Canadian County. So despite the measured wind speeds, surveyors could not find any damage that would support a rating higher than EF3 based solely on the damage indicators used with the EF scale.

The maximum tornado width was 2.6 miles. However, the damaging wind swath was much larger, as non-tornadic downdraft winds extended for at least a mile south of the tornado. Given the difficulty of separating this damage from tornadic damage, the OU RaXPol radar was used to help determine the width.

Direct Fatalities: M67VE, M35VE, F26VE, M0VE, M32VE, M55VE, M24VE, M45VE

COMANCHE COUNTY GERONIMO [[34.48, -98.38]		
	05/31/13 17:10 CST	0	Hail (2.00 in)
	05/31/13 17:10 CST	0	Source: Other Federal Agency
The hail was reported via the NSSL sha	eve project.		
COMANCHE COUNTY 5.0 WSW PUI	MPKIN CENTER [34.56, -98.29]		
	05/31/13 17:20 CST	0	Hail (2.50 in)
	05/31/13 17:20 CST	0	Source: Other Federal Agency
The hail was reported via the NSSL sha	eve project. No damage was reported.		
CANADIAN COUNTY 6.3 W YUKON	[35.49, -97.85], 4.5 SW YUKON [35.45, -97.79]		
	05/31/13 17:29 CST	20K	Tornado (EF2, L: 5.00 mi , W: 150 yd)
	05/31/13 17:41 CST	0	Source: NWS Storm Survey
The storm damage survey and Doppler was noted along with damage to trees.	on Wheels mobile radar detected a long-lived a Damages estimated.	anticyclonic tornado south	nwest of Yukon. Some structural damage
COMANCHE COUNTY 3.2 ENE GER	ONIMO [34.50, -98.33]		
	05/31/13 17:30 CST	0	Hail (2.25 in)
	05/31/13 17:30 CST	0	Source: Other Federal Agency
The hail was reported via the NSSL SH.	AVE project. No damage was reported.		
COMANCHE COUNTY 4.0 SE LAWT			
	05/31/13 17:30 CST	0	Hail (2.50 in)
	05/31/13 17:30 CST	0	Source: Trained Spotter
No damage was reported.			

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	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
COMANCHE COUNTY 4.4 SE LAW				11.11.40.50 :)
	05/31/13 17:30 CST 05/31/13 17:30 CST		0	Hail (2.50 in)
lo damage was reported.	05/31/13 17:30 CS1		U	Source: Public
no damage was reported.				
COMANCHE COUNTY 4.5 SE LAW	TON [34.56, -98.34] 05/31/13 17:30 CST		0	Hail (2.50 in)
	05/31/13 17:30 CST		0	Source: Other Federal Agency
The hail was reported via the NSSL SH	HAVE project. No damage was reported.			
COMANCHE COUNTY 4.9 SW PUN	IPKIN CENTER [34.5498.27]			
	05/31/13 17:35 CST		0	Hail (2.50 in)
	05/31/13 17:35 CST		0	Source: Other Federal Agency
Γhe hail was reported via the NSSL Sh	HAVE project. No damage was reported.			
COMANCHE COUNTY 5.3 ESE LAV	WTON [34.57, -98.31]			
	05/31/13 17:35 CST		0	Hail (2.75 in)
	05/31/13 17:35 CST		0	Source: Other Federal Agency
The hail was reported via the NSSL SH	HAVE project. No damage was reported.			
OKLAHOMA COUNTY 1.8 NE WAR				H-1/4 00 (a)
	05/31/13 17:45 CST 05/31/13 17:45 CST		0	Hail (1.00 in) Source: Trained Spotter
	03/31/13 17.43 031		O	Source. Trained Spotter
The beil was reported at Hafner and C	ouncil roads.			
The hall was reported at Heiner and C				
·	N [35.45, -97.70], 4.9 NE MUSTANG [35.4	1 5, -97.67]		
·	05/31/13 17:51 CST	1 5, -97.67]	50K	Tornado (EF0, L: 1.61 mi , W: 500 yd)
CANADIAN COUNTY 3.9 SE YUKO	05/31/13 17:51 CST 05/31/13 17:54 CST	-	0	Source: NWS Storm Survey
CANADIAN COUNTY 3.9 SE YUKO An relatively long-lived weak tornado b cornado moved just south of east for a structural damage to some homes. Da	05/31/13 17:51 CST 05/31/13 17:54 CST began northwest of SW 15th Street and Mo little over 1.5 miles and into Oklahoma Co	organ Road in we	0 stern Oklahoma C trees and power l	Source: NWS Storm Survey sity to the southeast of Yukon. The
CANADIAN COUNTY 3.9 SE YUKO An relatively long-lived weak tornado b tornado moved just south of east for a structural damage to some homes. Da	05/31/13 17:51 CST 05/31/13 17:54 CST began northwest of SW 15th Street and Molittle over 1.5 miles and into Oklahoma Comages estimated. HEATLAND [35.45, -97.67], 4.0 N (OKC)W 05/31/13 17:54 CST	organ Road in we	0 stern Oklahoma C trees and power I T [35.45, -97.60] 0.10M	Source: NWS Storm Survey ity to the southeast of Yukon. The ines was noted, as well as very minor Tornado (EF1, L: 4.10 mi , W: 600 yd)
An relatively long-lived weak tornado b tornado moved just south of east for a structural damage to some homes. Da	05/31/13 17:51 CST 05/31/13 17:54 CST began northwest of SW 15th Street and Molittle over 1.5 miles and into Oklahoma Comages estimated. HEATLAND [35.45, -97.67], 4.0 N (OKC)W	organ Road in we	0 stern Oklahoma C trees and power I T [35.45, -97.60]	Source: NWS Storm Survey ity to the southeast of Yukon. The ines was noted, as well as very minor
CANADIAN COUNTY 3.9 SE YUKO An relatively long-lived weak tornado b tornado moved just south of east for a structural damage to some homes. Da OKLAHOMA COUNTY 3.6 NNW WI	05/31/13 17:51 CST 05/31/13 17:54 CST began northwest of SW 15th Street and Molittle over 1.5 miles and into Oklahoma Comages estimated. HEATLAND [35.45, -97.67], 4.0 N (OKC)W 05/31/13 17:54 CST 05/31/13 18:09 CST Ity from Canadian County in western Oklaha Avenue. Buildings, power lines and trees	organ Road in we bunty. Damage to //ILL ROGERS AF	ostern Oklahoma C trees and power I T [35.45, -97.60] 0.10M 0	Source: NWS Storm Survey ity to the southeast of Yukon. The ines was noted, as well as very minor Tornado (EF1, L: 4.10 mi , W: 600 yd) Source: NWS Storm Survey st along and near SW 15th Street before
CANADIAN COUNTY 3.9 SE YUKO An relatively long-lived weak tornado be tornado moved just south of east for a structural damage to some homes. Da OKLAHOMA COUNTY 3.6 NNW With the county and to the county and to the county and the county are supported by t	05/31/13 17:51 CST 05/31/13 17:54 CST began northwest of SW 15th Street and Molittle over 1.5 miles and into Oklahoma Comages estimated. HEATLAND [35.45, -97.67], 4.0 N (OKC)W 05/31/13 17:54 CST 05/31/13 18:09 CST ty from Canadian County in western Oklain Avenue. Buildings, power lines and trees ere estimated. DN [35.51, -97.75]	organ Road in we bunty. Damage to //ILL ROGERS AF	ostern Oklahoma C trees and power I T [35.45, -97.60] 0.10M 0 oved generally easincluding broken v	Source: NWS Storm Survey ity to the southeast of Yukon. The ines was noted, as well as very minor Tornado (EF1, L: 4.10 mi , W: 600 yd) Source: NWS Storm Survey at along and near SW 15th Street before yindows at a couple of motels along
CANADIAN COUNTY 3.9 SE YUKO An relatively long-lived weak tornado betornado moved just south of east for a structural damage to some homes. Da OKLAHOMA COUNTY 3.6 NNW WI A tornado moved into Oklahoma Coundissipating near SW 15th and Meridian	05/31/13 17:51 CST 05/31/13 17:51 CST 05/31/13 17:54 CST began northwest of SW 15th Street and Melittle over 1.5 miles and into Oklahoma Comages estimated. HEATLAND [35.45, -97.67], 4.0 N (OKC)W 05/31/13 17:54 CST 05/31/13 18:09 CST ty from Canadian County in western Oklal a Avenue. Buildings, power lines and trees ere estimated. DN [35.51, -97.75] 05/31/13 17:55 CST	organ Road in we bunty. Damage to //ILL ROGERS AF	ostern Oklahoma C trees and power I T [35.45, -97.60] 0.10M 0 oved generally easincluding broken v	Source: NWS Storm Survey ity to the southeast of Yukon. The ines was noted, as well as very minor Tornado (EF1, L: 4.10 mi , W: 600 yd) Source: NWS Storm Survey at along and near SW 15th Street before yindows at a couple of motels along Hail (1.75 in)
CANADIAN COUNTY 3.9 SE YUKO An relatively long-lived weak tornado be tornado moved just south of east for a structural damage to some homes. Da OKLAHOMA COUNTY 3.6 NNW WI A tornado moved into Oklahoma Coun dissipating near SW 15th and Meridian Meridian Avenue. Damage amounts w CANADIAN COUNTY 0.9 NW YUKO	05/31/13 17:51 CST 05/31/13 17:54 CST began northwest of SW 15th Street and Molittle over 1.5 miles and into Oklahoma Comages estimated. HEATLAND [35.45, -97.67], 4.0 N (OKC)W 05/31/13 17:54 CST 05/31/13 18:09 CST ty from Canadian County in western Oklain Avenue. Buildings, power lines and trees ere estimated. DN [35.51, -97.75]	organ Road in we bunty. Damage to //ILL ROGERS AF	ostern Oklahoma C trees and power I T [35.45, -97.60] 0.10M 0 oved generally easincluding broken v	Source: NWS Storm Survey ity to the southeast of Yukon. The ines was noted, as well as very minor Tornado (EF1, L: 4.10 mi , W: 600 yd) Source: NWS Storm Survey at along and near SW 15th Street before yindows at a couple of motels along
An relatively long-lived weak tornado be tornado moved just south of east for a structural damage to some homes. Da OKLAHOMA COUNTY 3.6 NNW WH A tornado moved into Oklahoma Coundissipating near SW 15th and Meridian Meridian Avenue. Damage amounts w CANADIAN COUNTY 0.9 NW YUKO	05/31/13 17:51 CST 05/31/13 17:54 CST began northwest of SW 15th Street and Molittle over 1.5 miles and into Oklahoma Comages estimated. HEATLAND [35.45, -97.67], 4.0 N (OKC)W 05/31/13 17:54 CST 05/31/13 18:09 CST ty from Canadian County in western Oklal in Avenue. Buildings, power lines and trees ere estimated. DN [35.51, -97.75] 05/31/13 17:55 CST 05/31/13 17:55 CST	organ Road in we bunty. Damage to VILL ROGERS AF thoma City and measure damaged,	ostern Oklahoma C trees and power I T [35.45, -97.60] 0.10M 0 oved generally easincluding broken v	Source: NWS Storm Survey ity to the southeast of Yukon. The ines was noted, as well as very minor Tornado (EF1, L: 4.10 mi , W: 600 yd) Source: NWS Storm Survey at along and near SW 15th Street before yindows at a couple of motels along Hail (1.75 in)
An relatively long-lived weak tornado be tornado moved just south of east for a structural damage to some homes. Da OKLAHOMA COUNTY 3.6 NNW WH A tornado moved into Oklahoma Coundissipating near SW 15th and Meridian Meridian Avenue. Damage amounts w CANADIAN COUNTY 0.9 NW YUKO	05/31/13 17:51 CST 05/31/13 17:51 CST 05/31/13 17:54 CST began northwest of SW 15th Street and Melittle over 1.5 miles and into Oklahoma Comages estimated. HEATLAND [35.45, -97.67], 4.0 N (OKC)W 05/31/13 17:54 CST 05/31/13 18:09 CST ty from Canadian County in western Oklal a Avenue. Buildings, power lines and trees ere estimated. DN [35.51, -97.75] 05/31/13 17:55 CST	organ Road in we bunty. Damage to VILL ROGERS AF thoma City and measure damaged,	ostern Oklahoma C trees and power I T [35.45, -97.60] 0.10M 0 oved generally easincluding broken v	Source: NWS Storm Survey ity to the southeast of Yukon. The ines was noted, as well as very minor Tornado (EF1, L: 4.10 mi , W: 600 yd) Source: NWS Storm Survey at along and near SW 15th Street before yindows at a couple of motels along Hail (1.75 in)

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OKLAHOMA COUNTY --- 3.2 NNW WHEATLAND [35.44, -97.67], 2.4 ESE (OKC)WILL ROGERS APT [35.38, -97.56]

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/31/13 18:00 CST		0	Thunderstorm Wind (EG 83 kt)
	05/31/13 18:30 CST		0	Source: NWS Storm Survey
Wind damage was widespread across soul area. The damage was widespread from C SW 89th Steet between Portland Avenue a and Council Road with winds estimated at ASOS with one of these surges, followed b	ounty Line Road from SW 29th and and Pennsylvanie Avenue. An outbui 95 mph. Winds gusts of 61 knots (70 by another gust of 62 knots (71 mph)	SW 44th Streets, s Iding was destroye Imph) were meas	southeastward acre d at Western Heig ured at 7:05 pm C	oss Will Rogers World Airport to along ghts High School near SW 44th Street DT at the Will Rogers Airport (OKC)
OKLAHOMA COUNTY (OKC)WILL ROO	GERS APT [35.39, -97.60] 05/31/13 18:05 CST		0.10M	Thunderstorm Wind (MG 61 kt)
	05/31/13 18:05 CST		0	Source: ASOS
The wind gusts were caused by rear flank of including full removal from static platform.				-
PAYNE COUNTY 0.6 E (SWO)STILLWA				
	05/31/13 18:08 CST		0	Thunderstorm Wind (MG 50 kt)
	05/31/13 18:08 CST		0	Source: ASOS
No damage was reported.				
OKLAHOMA COUNTY 3.9 W OKLAHOI	MA CITY [35.47, -97.58]			
	05/31/13 18:10 CST		0	Thunderstorm Wind (MG 52 kt)
	05/31/13 18:10 CST		0	Source: Mesonet
No damage was reported.				
OKLAHOMA COUNTY 4.0 SSE WARR A	ACRES [35.47, -97.59], 2.8 WSW VA	ALLEY BROOK [35	5.3897.531	
	05/31/13 18:15 CST		0	Thunderstorm Wind (EG 83 kt)
	05/31/13 18:30 CST		0	Source: NWS Storm Survey
Another area of widespread wind damage Avenue and Reno Avenue southeast to new Avenue where winds estimated at 95 mph OKLAHOMA COUNTY 3.9 W OKLAHOM	ar SW 83rd Street and Walker Avenuprooted large trees and damaged a	ue. The most signi	ficant damage occ	
	05/31/13 18:20 CST		0	Source: Mesonet
	00/01/10 10:20 001		v	000,000,000
OKLAHOMA COUNTY (OKC)WILL ROO			0.4084	Thursdaystays Wind (MC 00 LD)
	05/31/13 18:21 CST 05/31/13 18:21 CST		0.10M 0	Thunderstorm Wind (MG 62 kt) Source: ASOS
The wind gusts were caused by rear flank on including full removal from static platform.	downdraft winds near an associated		ns. Considerable c	damage occurred to the ASOS,
CLEVELAND COUNTY 4.8 WNW MOOF	• ' •		20K	Thunderstorm Wind (EC 65 kt)
	05/31/13 18:30 CST 05/31/13 18:30 CST		20K 0	Thunderstorm Wind (EG 65 kt) Source: NWS Storm Survey
Doef domain was noted to become				Gource. NVVG Glottii Gurvey
Roof damage was noted to houses along N	nay Avenue from SW 89th Street so	uth to at least SW	yotn Street.	
OKLAHOMA COUNTY 1.5 ENE VALLE		ALLEY BROOK [3		Tornado (EEO 1 · 0 50 mi. W/ 200 v/d)
	05/31/13 18:35 CST 05/31/13 18:37 CST		20K 0	Tornado (EF0, L: 0.50 mi , W: 200 yd) Source: NWS Storm Survey
	00.01/10 10.0/ 001		•	Saiss. Titto Stalli Guivey
An EF-0 tornado traveled from Creekwood Damages estimated.	Terrace southeast to Keith Drive ne	ar SE 54th Street.	Minor damage to	trees and power lines was noted.

OKLAHOMA COUNTY --- 3.6 SE BETHANY [35.47, -97.60]

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/31/13 18:36 CST		0	Hail (1.25 in)
	05/31/13 18:36 CST		0	Source: Trained Spotter
he hail was reported at interstate 40 and Meridian.	No damage was reported.			
CLEVELAND COUNTY 6.7 W MOORE [35.34, -97	7.61], 5.9 W MOORE [35.3	5, -97.59]		
	05/31/13 18:42 CST		0.10M	Tornado (EF1, L: 1.00 mi , W: 100 yd)
	05/31/13 18:43 CST		0	Source: NWS Storm Survey
Storm damage survey indicated a brief EF-1 tornado several homes, trees, and power lines and poles occ	•		ea near SW 119th S	Street and Meridian Avenue. Damage to
GRADY COUNTY 2.2 NNE TUTTLE [35.32, -97.80	05/31/13 18:45 CST		0	Tornado (EF0, L: 0.20 mi , W: 50 yd)
	05/31/13 18:45 CST		0	Source: Storm Chaser
wo storm chasers filmed a tornado to the northeast		an River. The torna		
wo storm chasers limited a torriduo to the northeast	or ruttle flear the Garladia	an river. The torna	do produced no ki	iowii dailiage.
CLEVELAND COUNTY 0.7 WNW MOORE [35.34	, -97.50], 1.0 ESE MOORE 05/31/13 18:50 CST	[35.34, -97.47]	0.10M	Thunderstorm Wind (EG 70 kt)
	05/31/13 19:00 CST		0	Source: NWS Storm Survey
scoreboard at a junior high school football field. Dark RADY COUNTY TUTTLE [35.29, -97.81]				
	05/31/13 18:50 CST		10K	Thunderstorm Wind (EG 65 kt)
	05/31/13 18:50 CST		0	Source: Emergency Manager
Wind damage occurred in and near Tuttle. Damage OKLAHOMA COUNTY 3.0 ENE (OKC)WILL ROG				
	05/31/13 18:55 CST		0	Source: NWS Storm Survey
A tornado touched down just west of SW 59th Street Street and Western Avenue. Roof and tree damage			-	loved east to just southwest of SW 59th
CLEVELAND COUNTY 3.6 WNW MOORE [35.36]	=			
	05/31/13 19:00 CST		25K	Thunderstorm Wind (EG 61 kt)
	05/31/13 19:00 CST		0	Source: Public
Extensive tree damage occurred with several trees s	snapped. One large tree w	as also snapped at	the base. Damage	es estimated.
CLEVELAND COUNTY MOORE [35.34, -97.49]	05/31/13 10·00 CST		0	Hail (1 00 in)
	05/31/13 19:00 CST		0	Hail (1.00 in)
	05/31/13 19:00 CST		0	Source: Public
OKLAHOMA COUNTY 0.4 W OKLAHOMA CITY 0.2 ENE OKLAHOMA CITY [35.47, -97.51]	[35.47, -97.52], 0.7 SW OK	(LAHOMA CITY [3	5.46, -97.52], 0.6 S	E OKLAHOMA CITY [35.46, -97.50],
	05/31/13 19:00 CST		30K	Flash Flood (due to Heavy Rain)
	05/31/13 22:00 CST		0	Source: Broadcast Media
Reports of tunnels flooding in downtown Oklahoma	City. Minor damage was re	eported with no inju	ries. Damages est	imated.
OKLAHOMA COUNTY 0.7 N (TIK)TINKER AFB [:	35.42, -97.39]			
	05/31/13 19:01 CST		0	Thunderstorm Wind (MG 54 kt)
	05/31/13 19:01 CST			
	00/01/10 10:01 001		0	Source: ASOS
No damage was reported.	00/01/10 10:01 001		0	Source: ASOS

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Direct Fatalities: M21OT, M3OT, F0OT, F3OT, F4OT DKLAHOMA COUNTY 0.7 N (TIK)TINKER AFB [35.42, -97.39] 05/31/13 19:14 CST 0 Source: ASOS No damage was reported. DLEVELAND COUNTY 3.0 SSE NORMAN [35.18, -97.42] 05/31/13 19:24 CST 0 Source: Official NWS Observations The wind gust was measured at the NWS forecat office in Norman. Light tree damage was noted. But no significant damage occurred. DKLAHOMA COUNTY (PWA)WILEY POST APT [35.53, -97.65] 05/31/13 19:31 CST 0 Source: ASOS	Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
OSG11/13 19:06 CST 5				=	.42, -97.58], 3.4 NNE (OKC)WILL
OSI31/13 22:06 CST 0 Source: Storm Chaser Several whicks were partially submerged in floodwalers. Five individuals seeking sheller in a drainage dilch were swept away and killed. Damage selfmated. Direct Familiaes: M210T, M30T, FOOT, F30T, F40T DKLAHOMA COUNTY — 9.7 N [TIK]TINKER AFB [35.42, 97.39]	ROGERS APT [35.43, -97.57], 3.6 WS		-	•	Flash Flood (due to Heavy Rain)
Settended				0	
SEALAHOMA COUNTY 0.7 N (TIK)TINKER AFB [35.42 -97.39] 05/31/13 19:14 CST 0 Source: ASOS	Several vehicles were partially subme estimated.	rged in floodwaters. Five individuals seek	ing shelter in a dr	ainage ditch were	swept away and killed. Damage
OS/31/13 19:14 CST	Direct Fatalities: M21OT, M3OT, F0O	T, F3OT, F4OT			
OS31/13 19:14 CST O Source: ASOS	OKLAHOMA COUNTY 0.7 N (TIK)	FINKER AFB [35.42, -97.39]			
CLEVELAND COUNTY 3.0 SSE NORMAN 35.18, -97.42 05/31/13 19.24 CST 2K Thunderstorm Wind (MG 57 kt) 05/31/13 19.24 CST 0 Source: Official NWS Observations 10 Source: Obs		05/31/13 19:14 CST		0	Thunderstorm Wind (MG 76 kt)
October Color Co		05/31/13 19:14 CST		0	Source: ASOS
06/31/13 19:24 CST	No damage was reported.				
Display	CLEVELAND COUNTY 3.0 SSE NO	DRMAN [35.18, -97.42]			
The wind gust was measured at the NWS forecat office in Norman. Light tree damage was noted. But no significant damage occurred. OKLAHOMA COUNTY (PWA)WILEY POST APT [35.53, -97.65]				2K	Thunderstorm Wind (MG 57 kt)
OKLAHOMA COUNTY (PWA)WILEY POST APT [35.53, -97.65] O5/31/13 19:31 CST O Source: ASOS		05/31/13 19:24 CST		0	Source: Official NWS Observations
05/31/13 19:31 CST 0 Thunderstorm Wind (MG 50 kt) 05/31/13 19:31 CST 0 Source: ASOS No damage was reported. SRADY COUNTY 3.9 SSE BRIDGE CREEK [35.18, -97.69] 05/31/13 19:36 CST 0 Source: Amateur Radio The hall was reported at mile marker 102 along the H.E. Bailey Tumpike. No damage was reported. SRADY COUNTY 3.6 SE BRIDGE CREEK [35.18, -97.69] 05/31/13 19:45 CST 0 Hall (1.75 in) 05/31/13 19:45 CST 0 Source: Amateur Radio No damage was reported. SLEVELAND COUNTY 5.0 N MOORE [35.41, -97.47], 5.7 NNE MOORE [35.41, -97.43], 4.8 NE MOORE [35.39, -97.44], 3.9 NNE MOORE [35.39, -97.46] 05/31/13 19:55 CST 0 Source: Trained Spotter Numerous vehicles submerged in water along Reno Ave. Damage estimated. MCCLAIN COUNTY NEWCASTLE [35.25, -97.60] 05/31/13 19:55 CST 0 Source: NWS Employee Nickel to half dollar size hall was reported. No damage was reported. MCCLAIN COUNTY NEWCASTLE [35.25, -97.60] 05/31/13 19:55 CST 0 Thunderstorm Wind (EG 52 kt) 05/31/13 19:55 CST 0 Thunderstorm Wind (EG 52 kt) 05/31/13 19:55 CST 0 Source: NWS Employee	The wind gust was measured at the N	WS forecat office in Norman. Light tree d	amage was noted	l. But no significant	damage occurred.
05/31/13 19:31 CST 0 Source: ASOS No damage was reported. SRADY COUNTY 3.9 SSE BRIDGE CREEK [35.18, -97.69] 05/31/13 19:36 CST 0 Hail (1.75 in) 05/31/13 19:36 CST 0 Source: Amateur Radio Fine hail was reported at mile marker 102 along the H.E. Bailey Tumpike. No damage was reported. SRADY COUNTY 3.6 SE BRIDGE CREEK [35.19, -97.68] 05/31/13 19:45 CST 0 Hail (1.75 in) 05/31/13 19:45 CST 0 Source: Amateur Radio No damage was reported. CLEVELAND COUNTY 5.0 N MOORE [35.41, -97.47], 5.7 NNE MOORE [35.41, -97.43], 4.8 NE MOORE [35.39, -97.44], 3.9 NNE MOORE [35.39, -97.46] 05/31/13 19:55 CST 0.10M Flash Flood (due to Heavy Rain) 05/31/13 19:55 CST 0.5/31/13 19:55 CST	OKLAHOMA COUNTY (PWA)WILE	EY POST APT [35.53, -97.65]			
Accolor of the hail was reported. Grady County 3.9 SSE BRIDGE CREEK [35.18, -97.69] O5/31/13 19:36 CST O		05/31/13 19:31 CST		0	Thunderstorm Wind (MG 50 kt)
SRADY COUNTY 3.9 SSE BRIDGE CREEK [35.18, -97.69] 05/31/13 19:36 CST 0 Source: Amateur Radio The hall was reported at mile marker 102 along the H.E. Balley Turnpike. No damage was reported. SRADY COUNTY 3.6 SE BRIDGE CREEK [35.19, -97.68] 05/31/13 19:45 CST 0 Hall (1.75 in) 05/31/13 19:45 CST 0 Source: Amateur Radio No damage was reported. CLEVELAND COUNTY 5.0 N MOORE [35.41, -97.47], 5.7 NNE MOORE [35.41, -97.43], 4.8 NE MOORE [35.39, -97.44], 3.9 NNE MOORE [35.39, -97.46] 05/31/13 19:55 CST 0 Source: Trained Spotter Numerous vehicles submerged in water along Reno Ave. Damage estimated. MCCLAIN COUNTY NEWCASTLE [35.28, -97.60] 05/31/13 19:55 CST 0 Source: NWS Employee MCCLAIN COUNTY NEWCASTLE [35.25, -97.60] 05/31/13 19:55 CST 0 Thunderstorm Wind (EG 52 kt) 05/31/13 19:55 CST 0 Source: NWS Employee		05/31/13 19:31 CST		0	Source: ASOS
05/31/13 19:36 CST 0 Hail (1.75 in) 05/31/13 19:36 CST 0 Source: Amateur Radio The hail was reported at mile marker 102 along the H.E. Bailey Turnpike. No damage was reported. SRADY COUNTY 3.6 SE BRIDGE CREEK [35.19, -97.68] 05/31/13 19:45 CST 0 Hail (1.75 in) 05/31/13 19:45 CST 0 Source: Amateur Radio No damage was reported. SLEVELAND COUNTY 5.0 N MOORE [35.41, -97.47], 5.7 NNE MOORE [35.41, -97.43], 4.8 NE MOORE [35.39, -97.44], 3.9 NNE MOORE [35.39, -97.46] 05/31/13 19:55 CST 0.10M Flash Flood (due to Heavy Rain) 05/31/13 29:55 CST 0.50urce: Trained Spotter Numerous vehicles submerged in water along Reno Ave. Damage estimated. MCCLAIN COUNTY NEWCASTLE [35.25, -97.60] 05/31/13 19:55 CST 0 Source: NWS Employee MCCLAIN COUNTY NEWCASTLE [35.25, -97.60] 05/31/13 19:55 CST 0 Thunderstorm Wind (EG 52 kt) 05/31/13 19:55 CST 0 Source: NWS Employee	No damage was reported.				
05/31/13 19:36 CST 0 Source: Amateur Radio The hail was reported at mile marker 102 along the H.E. Bailey Turnpike. No damage was reported. GRADY COUNTY 3.6 SE BRIDGE CREEK [35.19, -97.68] 05/31/13 19:45 CST 0 Hail (1.75 in) 05/31/13 19:45 CST 0 Source: Amateur Radio No damage was reported. CLEVELAND COUNTY 5.0 N MOORE [35.41, -97.47], 5.7 NNE MOORE [35.41, -97.43], 4.8 NE MOORE [35.39, -97.44], 3.9 NNE MOORE [35.39, -97.46] 05/31/13 19:55 CST 0.10M Flash Flood (due to Heavy Rain) 05/31/13 19:55 CST 0 Source: Trained Spotter Numerous vehicles submerged in water along Reno Ave. Damage estimated. MCCLAIN COUNTY NEWCASTLE [35.25, -97.60] 05/31/13 19:55 CST 0 Source: NWS Employee Nickel to half dollar size hail was reported. No damage was reported. MCCLAIN COUNTY NEWCASTLE [35.25, -97.60] 05/31/13 19:55 CST 0 Thunderstorm Wind (EG 52 kt) 05/31/13 19:55 CST 0 Source: NWS Employee	GRADY COUNTY 3.9 SSE BRIDGE				
### The hall was reported at mile marker 102 along the H.E. Bailey Tumpike. No damage was reported. #### SRADY COUNTY 3.6 SE BRIDGE CREEK [35.19, -97.68] 05/31/13 19:45 CST					
### GRADY COUNTY 3.6 SE BRIDGE CREEK [35.19, -97.68] 05/31/13 19:45 CST 0 Source: Amateur Radio No damage was reported. **CLEVELAND COUNTY 5.0 N MOORE [35.41, -97.47], 5.7 NNE MOORE [35.41, -97.43], 4.8 NE MOORE [35.39, -97.44], 3.9 NNE MOORE [35.39, -97.46] 05/31/13 19:55 CST 0.10M Flash Flood (due to Heavy Rain) 05/31/13 23:55 CST 0 Source: Trained Spotter **Numerous vehicles submerged in water along Reno Ave. Damage estimated.** **MCCLAIN COUNTY NEWCASTLE [35.25, -97.60] 05/31/13 19:55 CST 0 Source: NWS Employee **MCCLAIN COUNTY NEWCASTLE [35.25, -97.60] 05/31/13 19:55 CST 0 Thunderstorm Wind (EG 52 kt) 05/31/13 19:55 CST 0 Source: NWS Employee					Source: Amateur Radio
05/31/13 19:45 CST 0 Hail (1.75 in) 05/31/13 19:45 CST 0 Source: Amateur Radio No damage was reported. CLEVELAND COUNTY 5.0 N MOORE [35.41, -97.47], 5.7 NNE MOORE [35.41, -97.43], 4.8 NE MOORE [35.39, -97.44], 3.9 NNE MOORE [35.39, -97.46] 05/31/13 19:55 CST 0.10M Flash Flood (due to Heavy Rain) 05/31/13 23:55 CST 0 Source: Trained Spotter Numerous vehicles submerged in water along Reno Ave. Damage estimated. MCCLAIN COUNTY NEWCASTLE [35.25, -97.60] 05/31/13 19:55 CST 0 Source: NWS Employee Nickel to half dollar size hail was reported. No damage was reported. MCCLAIN COUNTY NEWCASTLE [35.25, -97.60] 05/31/13 19:55 CST 0 Thunderstorm Wind (EG 52 kt) 05/31/13 19:55 CST 0 Source: NWS Employee	The hall was reported at fille marker	102 along the H.E. Balley Tumpike. No da	amage was report	ea.	
05/31/13 19:45 CST 0 Source: Amateur Radio No damage was reported. CLEVELAND COUNTY 5.0 N MOORE [35.41, -97.47], 5.7 NNE MOORE [35.41, -97.43], 4.8 NE MOORE [35.39, -97.44], 3.9 NNE MOORE [35.39, -97.46] 05/31/13 19:55 CST 0.10M Flash Flood (due to Heavy Rain) 05/31/13 23:55 CST 0 Source: Trained Spotter Numerous vehicles submerged in water along Reno Ave. Damage estimated. MCCLAIN COUNTY NEWCASTLE [35.25, -97.60] 05/31/13 19:55 CST 0 Source: NWS Employee Nickel to half dollar size hail was reported. No damage was reported. MCCLAIN COUNTY NEWCASTLE [35.25, -97.60] 05/31/13 19:55 CST 0 Thunderstorm Wind (EG 52 kt) 05/31/13 19:55 CST 0 Source: NWS Employee	GRADY COUNTY 3.6 SE BRIDGE			0	Hoil (4.75 in)
CLEVELAND COUNTY 5.0 N MOORE [35.41, -97.47], 5.7 NNE MOORE [35.41, -97.43], 4.8 NE MOORE [35.39, -97.44], 3.9 NNE MOORE [35.39, -97.46]					,
CLEVELAND COUNTY 5.0 N MOORE [35.41, -97.47], 5.7 NNE MOORE [35.41, -97.43], 4.8 NE MOORE [35.39, -97.44], 3.9 NNE MOORE [35.39, -97.46] 05/31/13 19:55 CST 0.10M Flash Flood (due to Heavy Rain) 05/31/13 23:55 CST 0 Source: Trained Spotter Numerous vehicles submerged in water along Reno Ave. Damage estimated. MCCLAIN COUNTY NEWCASTLE [35.25, -97.60] 05/31/13 19:55 CST 0 Source: NWS Employee Nickel to half dollar size hail was reported. No damage was reported. MCCLAIN COUNTY NEWCASTLE [35.25, -97.60] 05/31/13 19:55 CST 0 Thunderstorm Wind (EG 52 kt) 05/31/13 19:55 CST 0 Source: NWS Employee	No damage was reported	00/31/10 19.40 031		O	Source. Amateur Nauro
05/31/13 19:55 CST 0.10M Flash Flood (due to Heavy Rain) 05/31/13 23:55 CST 0 Source: Trained Spotter Numerous vehicles submerged in water along Reno Ave. Damage estimated. MCCLAIN COUNTY NEWCASTLE [35.25, -97.60] 05/31/13 19:55 CST 0 Hail (1.25 in) 05/31/13 19:55 CST 0 Source: NWS Employee Nickel to half dollar size hail was reported. No damage was reported. MCCLAIN COUNTY NEWCASTLE [35.25, -97.60] 05/31/13 19:55 CST 0 Thunderstorm Wind (EG 52 kt) 05/31/13 19:55 CST 0 Source: NWS Employee					
05/31/13 23:55 CST 0 Source: Trained Spotter Numerous vehicles submerged in water along Reno Ave. Damage estimated. MCCLAIN COUNTY NEWCASTLE [35.25, -97.60] 05/31/13 19:55 CST 0 Hail (1.25 in) 05/31/13 19:55 CST 0 Source: NWS Employee Nickel to half dollar size hail was reported. No damage was reported. MCCLAIN COUNTY NEWCASTLE [35.25, -97.60] 05/31/13 19:55 CST 0 Thunderstorm Wind (EG 52 kt) 05/31/13 19:55 CST 0 Source: NWS Employee	CLEVELAND COUNTY 5.0 N MOO		41, -97.43], 4.8 NI	= .	
Numerous vehicles submerged in water along Reno Ave. Damage estimated. MCCLAIN COUNTY NEWCASTLE [35.25, -97.60] 05/31/13 19:55 CST 0 Hail (1.25 in) 05/31/13 19:55 CST 0 Source: NWS Employee MCCLAIN COUNTY NEWCASTLE [35.25, -97.60] 05/31/13 19:55 CST 0 Thunderstorm Wind (EG 52 kt) 05/31/13 19:55 CST 0 Source: NWS Employee					• • •
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05/31/13 19:55 CST 0 Hail (1.25 in) 05/31/13 19:55 CST 0 Source: NWS Employee Nickel to half dollar size hail was reported. No damage was reported. MCCLAIN COUNTY NEWCASTLE [35.25, -97.60] 05/31/13 19:55 CST 0 Thunderstorm Wind (EG 52 kt) 05/31/13 19:55 CST 0 Source: NWS Employee	MCCLAIN COUNTY NEWCASTLE	T35.2597.601			
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05/31/13 19:55 CST 0 Thunderstorm Wind (EG 52 kt) 05/31/13 19:55 CST 0 Source: NWS Employee		05/31/13 19:55 CST		0	Source: NWS Employee
05/31/13 19:55 CST 0 Thunderstorm Wind (EG 52 kt) 05/31/13 19:55 CST 0 Source: NWS Employee	Nickel to half dollar size hail was repo	rted. No damage was reported.			
05/31/13 19:55 CST 0 Thunderstorm Wind (EG 52 kt) 05/31/13 19:55 CST 0 Source: NWS Employee	MCCLAIN COUNTY NEWCASTI F	[35.2597.60]			
05/31/13 19:55 CST 0 Source: NWS Employee		-		0	Thunderstorm Wind (EG 52 kt)
					·

OKLAHOMA COUNTY --- 1.9 SSE WARR ACRES [35.50, -97.61], 2.0 SSE WARR ACRES [35.49, -97.60], 1.8 SSE WARR ACRES [35.50, -97.60], 1.7 SSE WARR ACRES [35.50, -97.61]

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/31/13 20:00 CST	7	0	Flash Flood (due to Heavy Rain)
	05/31/13 22:00 CST		0	Source: Emergency Manager
Several individuals were swept under a roadwa	y and killed while seeking shel	ter in a storm drain	. No damage was i	reported.
Direct Fatalities: F34OT, F34OT, F7OT, M4OT,	M8OT, M33OT, M4OT			
POTTAWATOMIE COUNTY 0.6 W SHAWNE				Heil (4 00 in)
	05/31/13 20:03 CST 05/31/13 20:03 CST		0	Hail (1.00 in) Source: Trained Spotter
	03/31/13 20:03 C31		U	Source: Trained Spotter
POTTAWATOMIE COUNTY 3.6 NNW SHAW				7
	05/31/13 20:10 CST		0	Thunderstorm Wind (MG 54 kt)
	05/31/13 20:10 CST		0	Source: Mesonet
No damage was reported.				
CLEVELAND COUNTY 2.7 NE NOBLE [35.1				
	05/31/13 20:15 CST		0	Hail (1.75 in)
	05/31/13 20:15 CST		0	Source: NWS Employee
No damage was reported.				
CLEVELAND COUNTY 2.8 N NOBLE [35.18,				
	05/31/13 20:17 CST		0	Hail (1.00 in)
	05/31/13 20:17 CST		0	Source: Trained Spotter
CLEVELAND COUNTY 3.5 N SLAUGHTERV	ILLE [35.14, -97.32]			
	05/31/13 20:20 CST		0	Hail (1.75 in)
	05/31/13 20:20 CST		0	Source: Public
No damage was reported.				
CLEVELAND COUNTY 5.8 ENE SLAUGHTE	RVILLE [35.13, -97.24]			
	05/31/13 20:23 CST		0	Hail (1.75 in)
	05/31/13 20:23 CST		0	Source: NWS Employee
The hail fell a half mile north and west of the int	ersection of southeast 108th S	t. and Maguire roa	d. No damage was	reported.
GRADY COUNTY 2.7 NE TUTTLE [35.32, -9]	7.78]			
	05/31/13 20:32 CST		0	Hail (1.00 in)
	05/31/13 20:32 CST		0	Source: Trained Spotter
MCCLAIN COUNTY 1.3 NW NEWCASTLE [3	35.26, -97.62], 1.3 NE NEWCA	STLE [35.26, -97.58	3], 1.1 ESE NEWC	ASTLE [35.24, -97.58], 1.1 WSW
NEWCASTLE [35.24, -97.62]	-	-		
	05/31/13 20:35 CST		0	Flash Flood (due to Heavy Rain)
	05/31/13 23:59 CST		0	Source: Emergency Manager
Numerous roads closed in and around Newcast	le. No damage was reported.			
OKLAHOMA COUNTY 0.8 SW DEL CITY [35	5.44, -97.45], 1.4 SSW DEL CIT	TY [35.43, -97.45], ²	1.3 S DEL CITY [35	5.43, -97.44], 0.5 SSE DEL CITY [35.44,
-97.44]	05/31/13 20:50 CST		40K	Flash Flood (due to Heavy Rain)
	05/31/13 23:59 CST		0	Source: Fire Department/Rescue
Street flooding and vehicles stranded at souther	ast 29th St. and Sunnylane Rd	. Damage estimate	d.	
OKLAHOMA COUNTY 1.8 NE (PWA)WILEY	DOST ADT (35 55 07 62) 2.0	N WADD ACDES	[35 55 _07 £2] 4 7	N WADD ACDES 135 54 .97 621 4 6
NE (PWA)WILEY POST APT [35.54, -97.63]		IN WARK ACKES		
	05/31/13 20:53 CST		0	Flash Flood (due to Heavy Rain)

05/31/13 20:53 CST

05/31/13 23:59 CST

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0

Flash Flood (due to Heavy Rain)

Source: Trained Spotter

Pota		r. No damage was reported.	•		
05/31/13 20:55 CST	POTTAWATOMIE COUNTY 0.6 E ASHER [34.9				
OS31/13 20:55 CST O		·			
The hall was reported along highway 39. No damage was reported. POTTAWATOMIC COUNTY 4.6 E ST LOUIS [35.06, -96.78]		05/31/13 20:55 CST		0	
OTTAWATOMIE COUNTY 4.6 E ST LOUIS [35.06, -86.78]		05/31/13 20:55 CST		0	Source: Emergency Manager
05/31/13 21:05 CST 0 Hail (1.75 in) 05/31/13 21:05 CST 0 Source: Public No damage was reported. No damage was reported. No damage was reported. No LAHOMA COUNTY 3.3 WSW VALLEY BROOK [35.38, -97.53], 3.5 WSW VALLEY BROOK [35.37, -97.53], 3.1 WSW VALLEY BROOK [35.38, -97.53] 05/31/13 21:34 CST 0 Flash Flood (due to Heavy Rain) 05/31/13 22:34 CST 0 Source: Broadcast Media Media reports of high water rescue at southwest 86th and Western. No damage or injuries reported. SANADIAN COUNTY 3.8 SSE PIEDMONT [35.59, -97.72] 05/31/13 21:42 CST 0 Hail (1.05 in) 05/31/13 21:42 CST 0 Source: Public SANADIAN COUNTY 2.9 ESE RICHLAND [35.57, -97.76] 05/31/13 21:45 CST 0 Source: Public SANADIAN COUNTY 2.1 SSW CHOCTAW [35.46, -97.28] 05/31/13 21:55 CST 0 Hail (1.25 in) 05/31/13 21:55 CST 0 Source: Trained Spotter The hail was reported at East Reno and South Henney roads. No damage was reported. SKLAHOMA COUNTY 1.4 S CHOCTAW [35.47, -97.27] 05/31/13 22:27 CST 0 Source: Trained Spotter At Ne 10th and N Henney Rd. SKLAHOMA COUNTY 0.7 S CHOCTAW [35.48, -97.27] 05/31/13 22:30 CST 0 Thunderstorm Wind (EG 52 kt) 05/31/13 22:30 CST 0 Source: Public OKLAHOMA COUNTY 0.7 S CHOCTAW [35.48, -97.27] 05/31/13 22:30 CST 0 Thunderstorm Wind (EG 52 kt) 05/31/13 22:30 CST 0 Source: Public	he hail was reported along highway 39. No damag	ge was reported.			
05/31/13 21:05 CST 0 Source: Public OKLAHOMA COUNTY 3.3 WSW VALLEY BROOK [35.38, 97.53], 3.5 WSW VALLEY BROOK [35.38, 97.53], 3.1 WSW VALLEY BROOK [35.38, 97.53], 3.0 WSW VALLEY BROOK [35.38, 97.53] OS/31/13 21:34 CST 0 Flash Flood (due to Heavy Rain) OS/31/13 22:34 CST 0 Source: Broadcast Media Wedia reports of high water rescue at southwest 86th and Western. No damage or injuries reported. CANADIAN COUNTY 3.8 SSE PIEDMONT [35.59, 97.72] OS/31/13 21:42 CST 0 Hail (1.00 in) OS/31/13 21:42 CST 0 Source: Public CANADIAN COUNTY 2.9 ESE RICHLAND [35.57, 97.75] OS/31/13 21:45 CST 0 Hail (1.25 in) OS/31/13 21:45 CST 0 Source: Public OKLAHOMA COUNTY 2.1 SSW CHOCTAW [35.46, -97.28] OS/31/13 21:55 CST 0 Source: Trained Spotter The hail was reported at East Reno and South Henney roads. No damage was reported. OKLAHOMA COUNTY 1.4 S CHOCTAW [35.47, -97.27] OS/31/13 22:27 CST 0 Hail (1.25 in) OS/31/13 22:27 CST 0 Source: Trained Spotter At Ne 10th and N Henney Rd. OKLAHOMA COUNTY 0.7 S CHOCTAW [35.48, -97.27] OS/31/13 22:30 CST 0 Thunderstorm Wind (EG 52 kt) OKLAHOMA COUNTY 0.7 S CHOCTAW [35.48, -97.27] OS/31/13 22:30 CST 0 Source: Public OKLAHOMA COUNTY 0.7 S CHOCTAW [35.48, -97.27] OS/31/13 22:30 CST 0 Source: Public	POTTAWATOMIE COUNTY 4.6 E ST LOUIS [35	5.06, -96.78]			
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Display 1. Section 1.		05/31/13 21:05 CST		0	Source: Public
97.53], 3.0 WSW VALLEY BROOK [35.38, -97.53] 0	No damage was reported.				
0.5/31/13 21:34 CST 0 Flash Flood (due to Heavy Rain) 0.5/31/13 22:34 CST 0 Source: Broadcast Media Media reports of high water rescue at southwest 86th and Western. No damage or injuries reported. CANADIAN COUNTY 3.8 SSE PIEDMONT [35.59, 97.72]		= = =	ALLEY BROOK	([35.37, -97.53], 3.	1 WSW VALLEY BROOK [35.38,
Media reports of high water rescue at southwest 86th and Western. No damage or injuries reported. CANADIAN COUNTY 3.8 SSE PIEDMONT [35.59, -97.72] 05/31/13 21.42 CST 0 Hail (1.00 in) 05/31/13 21.42 CST 0 Source: Public CANADIAN COUNTY 2.9 ESE RICHLAND [35.57, -97.75] 05/31/13 21.45 CST 0 Hail (1.25 in) 05/31/13 21.45 CST 0 Source: Public No damage was reported. CONCLAHOMA COUNTY 2.1 SSW CHOCTAW [35.46, -97.28] 05/31/13 21.55 CST 0 Hail (1.25 in) 05/31/13 21.55 CST 0 Source: Trained Spotter The hail was reported at East Reno and South Henney roads. No damage was reported. CONCLAHOMA COUNTY 1.4 S CHOCTAW [35.47, -97.27] 05/31/13 22.27 CST 0 Source: Trained Spotter At Ne 10th and N Henney Rd. CONCLAHOMA COUNTY 0.7 S CHOCTAW [35.48, -97.27] 05/31/13 22.30 CST 0 Thunderstorm Wind (EG 52 kt) 05/31/13 22.30 CST 0 Source: Public	97.55], 3.0 WSW VALLET BROOK [35.36, -97.55]			0	Flash Flood (due to Heavy Rain)
CANADIAN COUNTY 3.8 SSE PIEDMONT [35.59, -97.72] 05/31/13 21:42 CST 0 Source: Public CANADIAN COUNTY 2.9 ESE RICHLAND [35.57, -97.18], 5.7 N HARRAH [35.57, -97.18], 5.6 N HARRAH [35.57, -97.17], 5.7 N HARRAH [35.57, -97.18] 05/31/13 21:42 CST 0 Hail (1.00 in) 05/31/13 21:42 CST 0 Source: Public Hail (1.00 in) 05/31/13 21:45 CST 0 Hail (1.25 in) 05/31/13 21:45 CST 0 Source: Public Hail (1.25 in) 05/31/13 21:55 CST 0 Source: Trained Spotter The hail was reported at East Reno and South Henney roads. No damage was reported.		05/31/13 22:34 CST		0	Source: Broadcast Media
05/31/13 21:42 CST 0 Hail (1.00 in) 05/31/13 21:42 CST 0 Source: Public CANADIAN COUNTY 2.9 ESE RICHLAND [35.57, -97.75] 05/31/13 21:45 CST 0 Hail (1.25 in) 05/31/13 21:45 CST 0 Source: Public OKLAHOMA COUNTY 2.1 SSW CHOCTAW [35.46, -97.28] 05/31/13 21:55 CST 0 Hail (1.25 in) 05/31/13 21:55 CST 0 Source: Trained Spotter The hail was reported at East Reno and South Henney roads. No damage was reported. OKLAHOMA COUNTY 1.4 S CHOCTAW [35.47, -97.27] 05/31/13 22:27 CST 0 Hail (1.25 in) 05/31/13 22:27 CST 0 Source: Trained Spotter At Ne 10th and N Henney Rd. OKLAHOMA COUNTY 0.7 S CHOCTAW [35.48, -97.27] 05/31/13 22:30 CST 0 Source: Trained Spotter	vledia reports of high water rescue at southwest 86	Sth and Western. No damage	or injuries report	ed.	
05/31/13 21:42 CST 0 Source: Public CANADIAN COUNTY 2.9 ESE RICHLAND [35.57, -97.75] 05/31/13 21:45 CST 0 Hail (1.25 in) 05/31/13 21:45 CST 0 Source: Public No damage was reported. DKLAHOMA COUNTY 2.1 SSW CHOCTAW [35.46, -97.28] 05/31/13 21:55 CST 0 Hail (1.25 in) 05/31/13 21:55 CST 0 Source: Trained Spotter The hail was reported at East Reno and South Henney roads. No damage was reported. DKLAHOMA COUNTY 1.4 S CHOCTAW [35.47, -97.27] 05/31/13 22:27 CST 0 Source: Trained Spotter At Ne 10th and N Henney Rd. DKLAHOMA COUNTY 0.7 S CHOCTAW [35.48, -97.27] 05/31/13 22:30 CST 0 Thunderstorm Wind (EG 52 kt) 05/31/13 22:30 CST 0 Source: Public	 CANADIAN COUNTY 3.8 SSE PIEDMONT [35.5	9, -97.72]			
CANADIAN COUNTY 2.9 ESE RICHLAND [35.57, -97.75] 05/31/13 21:45 CST 0 Source: Public No damage was reported. OKLAHOMA COUNTY 2.1 SSW CHOCTAW [35.46, -97.28] 05/31/13 21:55 CST 0 Source: Trained Spotter The hail was reported at East Reno and South Henney roads. No damage was reported. OKLAHOMA COUNTY 1.4 S CHOCTAW [35.47, -97.27] 05/31/13 22:27 CST 0 Source: Trained Spotter At Ne 10th and N Henney Rd. OKLAHOMA COUNTY 0.7 S CHOCTAW [35.48, -97.27] 05/31/13 22:30 CST 0 Thunderstorm Wind (EG 52 kt) 05/31/13 22:30 CST 0 Source: Public		05/31/13 21:42 CST		0	Hail (1.00 in)
05/31/13 21:45 CST 0 Hail (1.25 in) 05/31/13 21:45 CST 0 Source: Public No damage was reported. DKLAHOMA COUNTY 2.1 SSW CHOCTAW [35.46, -97.28] 05/31/13 21:55 CST 0 Hail (1.25 in) 05/31/13 21:55 CST 0 Source: Trained Spotter The hail was reported at East Reno and South Henney roads. No damage was reported. DKLAHOMA COUNTY 1.4 S CHOCTAW [35.47, -97.27] 05/31/13 22:27 CST 0 Hail (1.25 in) 05/31/13 22:27 CST 0 Source: Trained Spotter At Ne 10th and N Henney Rd. DKLAHOMA COUNTY 0.7 S CHOCTAW [35.48, -97.27] 05/31/13 22:30 CST 0 Thunderstorm Wind (EG 52 kt) 05/31/13 22:30 CST 0 Source: Public		05/31/13 21:42 CST		0	Source: Public
05/31/13 21:45 CST 0 Hail (1.25 in) 05/31/13 21:45 CST 0 Source: Public No damage was reported. DKLAHOMA COUNTY 2.1 SSW CHOCTAW [35.46, -97.28] 05/31/13 21:55 CST 0 Hail (1.25 in) 05/31/13 21:55 CST 0 Source: Trained Spotter The hail was reported at East Reno and South Henney roads. No damage was reported. DKLAHOMA COUNTY 1.4 S CHOCTAW [35.47, -97.27] 05/31/13 22:27 CST 0 Hail (1.25 in) 05/31/13 22:27 CST 0 Source: Trained Spotter At Ne 10th and N Henney Rd. DKLAHOMA COUNTY 0.7 S CHOCTAW [35.48, -97.27] 05/31/13 22:30 CST 0 Thunderstorm Wind (EG 52 kt) 05/31/13 22:30 CST 0 Source: Public DKLAHOMA COUNTY 5.7 N HARRAH [35.57, -97.18], 5.7 N HARRAH [35.57, -97.18], 5.6 N HARRAH [35.57, -97.17], 5.7 N HARRAH [35.57, -97.18]	CANADIAN COUNTY 2.9 ESE RICHLAND [35.5	7, -97.75]			
OKLAHOMA COUNTY 2.1 SSW CHOCTAW [35.46, -97.28] 05/31/13 21:55 CST 0 Source: Trained Spotter The hail was reported at East Reno and South Henney roads. No damage was reported. OKLAHOMA COUNTY 1.4 S CHOCTAW [35.47, -97.27] 05/31/13 22:27 CST 0 Source: Trained Spotter OKLAHOMA COUNTY 0.7 S CHOCTAW [35.48, -97.27] 05/31/13 22:27 CST 0 Source: Trained Spotter OKLAHOMA COUNTY 0.7 S CHOCTAW [35.48, -97.27] 05/31/13 22:30 CST 0 Thunderstorm Wind (EG 52 kt) 05/31/13 22:30 CST 0 Source: Public OKLAHOMA COUNTY 5.7 N HARRAH [35.57, -97.18], 5.7 N HARRAH [35.57, -97.18], 5.6 N HARRAH [35.57, -97.17], 5.7 N HARRAH [35.57, -97.18]	•			0	Hail (1.25 in)
DKLAHOMA COUNTY 2.1 SSW CHOCTAW [35.46, -97.28] 05/31/13 21:55 CST 0 Source: Trained Spotter The hail was reported at East Reno and South Henney roads. No damage was reported. DKLAHOMA COUNTY 1.4 S CHOCTAW [35.47, -97.27] 05/31/13 22:27 CST 0 Hail (1.25 in) 05/31/13 22:27 CST 0 Source: Trained Spotter At Ne 10th and N Henney Rd. DKLAHOMA COUNTY 0.7 S CHOCTAW [35.48, -97.27] 05/31/13 22:30 CST 0 Thunderstorm Wind (EG 52 kt) 05/31/13 22:30 CST 0 Source: Public No damage was reported.		05/31/13 21:45 CST		0	Source: Public
05/31/13 21:55 CST 0 Hail (1.25 in) 05/31/13 21:55 CST 0 Source: Trained Spotter The hail was reported at East Reno and South Henney roads. No damage was reported. DKLAHOMA COUNTY 1.4 S CHOCTAW [35.47, -97.27] 05/31/13 22:27 CST 0 Hail (1.25 in) 05/31/13 22:27 CST 0 Source: Trained Spotter At Ne 10th and N Henney Rd. DKLAHOMA COUNTY 0.7 S CHOCTAW [35.48, -97.27] 05/31/13 22:30 CST 0 Thunderstorm Wind (EG 52 kt) 05/31/13 22:30 CST 0 Source: Public No damage was reported. DKLAHOMA COUNTY 5.7 N HARRAH [35.57, -97.18], 5.7 N HARRAH [35.57, -97.18]	No damage was reported.				
05/31/13 21:55 CST 0 Source: Trained Spotter The hail was reported at East Reno and South Henney roads. No damage was reported. DKLAHOMA COUNTY 1.4 S CHOCTAW [35.47, -97.27] 05/31/13 22:27 CST 0 Hail (1.25 in) 05/31/13 22:27 CST 0 Source: Trained Spotter At Ne 10th and N Henney Rd. DKLAHOMA COUNTY 0.7 S CHOCTAW [35.48, -97.27] 05/31/13 22:30 CST 0 Thunderstorm Wind (EG 52 kt) 05/31/13 22:30 CST 0 Source: Public No damage was reported.		.46, -97.28]			
The hail was reported at East Reno and South Henney roads. No damage was reported. DKLAHOMA COUNTY 1.4 S CHOCTAW [35.47, -97.27]		05/31/13 21:55 CST		0	Hail (1.25 in)
OKLAHOMA COUNTY 1.4 S CHOCTAW [35.47, -97.27] 05/31/13 22:27 CST 0		05/31/13 21:55 CST		0	Source: Trained Spotter
05/31/13 22:27 CST 0 Hail (1.25 in) 05/31/13 22:27 CST 0 Source: Trained Spotter At Ne 10th and N Henney Rd. DKLAHOMA COUNTY 0.7 S CHOCTAW [35.48, -97.27] 05/31/13 22:30 CST 0 Thunderstorm Wind (EG 52 kt) 05/31/13 22:30 CST 0 Source: Public No damage was reported.	Γhe hail was reported at East Reno and South Her	nney roads. No damage was r	eported.		
05/31/13 22:27 CST 0 Source: Trained Spotter At Ne 10th and N Henney Rd. OKLAHOMA COUNTY 0.7 S CHOCTAW [35.48, -97.27] 05/31/13 22:30 CST 0 Thunderstorm Wind (EG 52 kt) 05/31/13 22:30 CST 0 Source: Public No damage was reported. OKLAHOMA COUNTY 5.7 N HARRAH [35.57, -97.18], 5.7 N HARRAH [35.57, -97.18], 5.6 N HARRAH [35.57, -97.17], 5.7 N HARRAH [35.57, -97.18]	DKLAHOMA COUNTY 1.4 S CHOCTAW [35.47,	-97.27]			
At Ne 10th and N Henney Rd. DKLAHOMA COUNTY 0.7 S CHOCTAW [35.48, -97.27] 05/31/13 22:30 CST 0 Thunderstorm Wind (EG 52 kt) 05/31/13 22:30 CST 0 Source: Public Source: Public Source: Public OKLAHOMA COUNTY 5.7 N HARRAH [35.57, -97.18], 5.7 N HARRAH [35.57, -97.18]		05/31/13 22:27 CST		0	
DKLAHOMA COUNTY 0.7 S CHOCTAW [35.48, -97.27] 05/31/13 22:30 CST 0 Thunderstorm Wind (EG 52 kt) 05/31/13 22:30 CST 0 Source: Public OKLAHOMA COUNTY 5.7 N HARRAH [35.57, -97.18], 5.7 N HARRAH [35.57, -97.18], 5.6 N HARRAH [35.57, -97.17], 5.7 N HARRAH [35.57, -97.18]		05/31/13 22:27 CST		0	Source: Trained Spotter
05/31/13 22:30 CST 0 Thunderstorm Wind (EG 52 kt) 05/31/13 22:30 CST 0 Source: Public No damage was reported. OKLAHOMA COUNTY 5.7 N HARRAH [35.57, -97.18], 5.7 N HARRAH [35.57, -97.18], 5.6 N HARRAH [35.57, -97.17], 5.7 N HARRAH [35.57, -97.18]	At Ne 10th and N Henney Rd.				
05/31/13 22:30 CST 0 Source: Public No damage was reported. DKLAHOMA COUNTY 5.7 N HARRAH [35.57, -97.18], 5.7 N HARRAH [35.57, -97.18], 5.6 N HARRAH [35.57, -97.17], 5.7 N HARRAH [35.57, -97.18]	OKLAHOMA COUNTY 0.7 S CHOCTAW [35.48,	-97.27]			
No damage was reported. DKLAHOMA COUNTY 5.7 N HARRAH [35.57, -97.18], 5.7 N HARRAH [35.57, -97.18], 5.6 N HARRAH [35.57, -97.17], 5.7 N HARRAH [35.57, -97.18]		05/31/13 22:30 CST		0	Thunderstorm Wind (EG 52 kt)
DKLAHOMA COUNTY 5.7 N HARRAH [35.57, -97.18], 5.7 N HARRAH [35.57, -97.18], 5.6 N HARRAH [35.57, -97.17], 5.7 N HARRAH [35.57, -97.18]		05/31/13 22:30 CST		0	Source: Public
	No damage was reported.				
	OKLAHOMA COUNTY 5.7 N HARRAH [35.57, -	= -	=	=	
05/31/13 23:59 CST 0 Source: Emergency Manager		05/31/13 23:00 CST	1		Flash Flood (due to Heavy Rain)

A tornado outbreak occurred during the late afternoon and early evening hours of the 31st. A stalled front and deeply mixed dryline served as a focus for thunderstorm development. The front/dryline triple point was where the most intense supercells initiated. These storms traveled eastward, eventually impacting the Oklahoma City metropolitan area. Several tornadoes occurred, including the El Reno tornado, which unfortunately claimed several lives. In addition to the tornado, very large hail and heavy rains led to flash flooding in

Direct Fatalities: M65VE

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Location Date/Time Deaths & Property & Event Type and Details

Injuries Crop Dmg

Oklahoma City. This flash flood event ranked as one of the worst in Oklahoma City history in terms of fatalities and damages to property. The event lasted well into the overnight hours.



View of the tornado during its earlier stages. Photo by Jeff Snyder.

TEXAS, Western North

(TX-Z083) HARDEMAN, (TX-Z084) FOARD, (TX-Z085) WILBARGER, (TX-Z086) WICHITA, (TX-Z087) KNOX, (TX-Z088) BAYLOR, (TX-Z089) ARCHER, (TX-Z090) CLAY

05/01/13 00:00 CST 0 Drought

05/31/13 23:59 CST 0

With only a few rainfall events across western north Texas during May, extreme to exceptional drought continued over the region.

WILBARGER COUNTY --- 7.7 ESE GRAYBACK [33.96, -99.04]

05/01/13 17:00 CST 0 Hail (1.25 in) 05/01/13 17:00 CST 0 Source: Public

Reported via Nssl Shave Project.

BAYLOR COUNTY --- 4.1 W LAKE KEMP DAM [33.76, -99.22]

05/01/13 17:20 CST 0 Hail (1.00 in)

05/01/13 17:20 CST 0 Source: COOP Observer

BAYLOR COUNTY --- 7.8 ENE MABELLE [33.70, -99.00]

05/01/13 18:00 CST 0 Hail (1.75 in)

05/01/13 18:00 CST 0 Source: Trained Spotter

A strong cold front pushed through the southern Plains during the day. Ahead of the front, thunderstorms developed in an environment of moderate to strong instability and weak deep-layer wind shear. These storms produced several reports of marginally-severe hail.

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HARDEMAN COUNTY QUANAH [34.30, -99.7] Moist and unstable air was in place across northroughout the afternoon and evening across vyielded a large hail report. CLAY COUNTY 2.8 SSW VASHTI [33.52, -98.6]	05/09/13 18:00 CST 05/09/13 18:00 CST th Texas ahead of a weak from western north Texas. Most we	' -		
throughout the afternoon and evening across v yielded a large hail report. CLAY COUNTY 2.8 SSW VASHTI [33.52, -98.0	05/09/13 18:00 CST th Texas ahead of a weak from western north Texas. Most we 05] 05/15/13 17:15 CST	' -	0 everal rounds of th ue to weak deep-la	Source: Fire Department/Rescue
throughout the afternoon and evening across v yielded a large hail report. CLAY COUNTY 2.8 SSW VASHTI [33.52, -98.0	th Texas ahead of a weak from western north Texas. Most we 05] 05/15/13 17:15 CST	' -	everal rounds of th ue to weak deep-la	nunderstorms occurred
hroughout the afternoon and evening across vielded a large hail report. CLAY COUNTY 2.8 SSW VASHTI [33.52, -98.0	western north Texas. Most we 05] 05/15/13 17:15 CST	' -	ue to weak deep-la	
	05/15/13 17:15 CST		0	
VICHITA COUNTY 2.2 SW WICHITA FALLS I			0	
VICHITA COUNTY 2.2 SW WICHITA FALLS I	05/15/13 17:15 CST		· ·	Hail (1.75 in)
VICHITA COUNTY 2.2 SW WICHITA FALLS I			0	Source: Amateur Radio
	[33.89, -98.52]			
	05/15/13 18:50 CST		0	Hail (1.00 in)
	05/15/13 18:50 CST		0	Source: Amateur Radio
Quarter size hail. Continued for at least 8 minutes	S.			
VICHITA COUNTY 2.2 SW WICHITA FALLS [[33.89, -98.52]			
	05/15/13 18:58 CST		0	Hail (1.00 in)
	05/15/13 18:58 CST		0	Source: Amateur Radio
Pea to quarter size hail lasted several minutes.				
RCHER COUNTY 6.0 SSW WINDTHORST [3				
	05/15/13 19:20 CST		0	Hail (1.00 in)
	05/15/13 19:20 CST		0	Source: Public
A few supercells developed over western north vertical shear, producing large hail. KNOX COUNTY GOREE [33.47, -99.52]	Texas during the late aftern	oon in an environ	ment of moderate	instability and moderate
	05/18/13 19:22 CST		0	Hail (1.50 in)
	05/18/13 19:22 CST		0	Source: Emergency Manager
VILBARGER COUNTY 0.7 S VERNON WILBA	 ARGER ARP [34.21, -99.28]			
	05/18/13 19:35 CST		0	Thunderstorm Wind (MG 57 kt)
	05/18/13 19:35 CST		0	Source: AWOS
VILBARGER COUNTY ODELL [34.35, -99.42]	 1			
	05/18/13 19:56 CST		0	Hail (1.50 in)
	05/18/13 19:56 CST		0	Source: Emergency Manager
	33. 13. 10 10.00 001			
ontributed to high instability, while an incomin fternoon. A couple supercells moved northeas	olded over the southern Plair ng shortwave trough yielded	deep-layer shear	sufficient for supe	ercells during the
contributed to high instability, while an incomin fternoon. A couple supercells moved northeas vind.	olded over the southern Plair ng shortwave trough yielded st over western north Texas o AFB [33.98, -98.50]	deep-layer shear	sufficient for supe vening hours, pro	ercells during the ducing severe hail and
A classic late Spring severe weather setup unfo contributed to high instability, while an incomin afternoon. A couple supercells moved northead wind.	olded over the southern Plair ng shortwave trough yielded st over western north Texas of AFB [33.98, -98.50] 05/20/13 13:20 CST	deep-layer shear	sufficient for supervening hours, pro-	ercells during the ducing severe hail and Hail (1.75 in)
ontributed to high instability, while an incoming fternoon. A couple supercells moved northeast wind.	olded over the southern Plair ng shortwave trough yielded st over western north Texas o AFB [33.98, -98.50]	deep-layer shear	sufficient for supe vening hours, pro	ercells during the ducing severe hail and
ontributed to high instability, while an incomin fternoon. A couple supercells moved northeas vind. VICHITA COUNTY 0.9 SW (SPS)SHEPPARD	olded over the southern Plair ng shortwave trough yielded st over western north Texas of AFB [33.98, -98.50] 05/20/13 13:20 CST 05/20/13 13:20 CST	deep-layer shear	sufficient for supervening hours, pro-	ercells during the ducing severe hail and Hail (1.75 in)
ontributed to high instability, while an incomin fternoon. A couple supercells moved northeas rind. VICHITA COUNTY 0.9 SW (SPS)SHEPPARD	olded over the southern Plair ng shortwave trough yielded st over western north Texas of AFB [33.98, -98.50] 05/20/13 13:20 CST 05/20/13 13:20 CST	deep-layer shear	sufficient for supervening hours, pro-	ercells during the ducing severe hail and Hail (1.75 in)
ontributed to high instability, while an incoming fternoon. A couple supercells moved northeast ind.	olded over the southern Plair ng shortwave trough yielded st over western north Texas of AFB [33.98, -98.50] 05/20/13 13:20 CST 05/20/13 13:20 CST	deep-layer shear	sufficient for supervening hours, produced to the s	ercells during the ducing severe hail and Hail (1.75 in) Source: Trained Spotter

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details	
WICHITA COUNTY 0.6 W WICHIT	ΓA FALLS [33.91, -98.50]				
	05/20/13 15:53 CST		0	Hail (1.75 in)	
	05/20/13 15:53 CST		0	Source: Public	
The hail was reported 5 miles west of	of Fisher road. No damage information was	s reported.			
CLAY COUNTY HENRIETTA [33.	82, -98.19]				
	05/20/13 17:30 CST		0	Hail (1.00 in)	
	05/20/13 17:30 CST		0	Source: Amateur Radio	
A dryline extended from northeast afternoon hours, resulting in large	to southwest through far western north hail.	Texas. To its east	, supercells devel	pped during the late	
(TX-Z085) WILBARGER					
	05/23/13 17:55 CST		0	High Wind (MAX 54 kt)	
	05/23/13 17:55 CST		0		

Strong outflow winds emanated from the north side a thunderstorm complex moving through the Abilene to Throckmorton region, resulting in severe gusts farther north.

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