Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
OKLAHOMA, Western, Cei	ntral and Southeast			
(OK-Z004) HARPER, (OK-Z005) W	/OODS, (OK-Z006) ALFALFA, (OK-Z009) ELL	_IS, (OK-Z010) W	OODWARD, (OK-Z	(011) MAJOR
	08/01/09 00:00 CST		0	Drought
	08/24/09 23:59 CST		0	
dry conditions of June and part of continuing into August. The mos	of northwest Oklahoma because of a streto of July, a large scale pattern change allowed t substantial rainfall occurred south and eas rainfall through the month alleviated the D2	I for more chance st of northwest O	es of precipitation oklahoma, althougl	beginning in mid-July and h northwest was not
OK-Z015) DEWEY, (OK-Z017) BL	AINE			
	08/01/09 00:00 CST		0	Drought
	08/03/09 23:59 CST		0	
= :	d for more chances of precipitation beginning and west of the two counties. Monetary dar MA [36.63, -98.56]  08/02/09 23:00 CST  08/02/09 23:02 CST	-	=	
	00/02/03 23.02 001		O	Source. Emergency Manager
he hail covered the ground.				
MAJOR COUNTY 1.0 SSW ORI	ENTA [36.35, -98.48]			
	08/02/09 23:30 CST		0	Thunderstorm Wind (EG 56 kt)
	08/02/09 23:32 CST		0	Source: COOP Observer
A 10-inch diameter tree limb was b	olown down. Gutters were also blown off a hou	use. Monetary dai	mages were estima	ated.
KINGFISHER COUNTY LOYAL	[35.97, -98.12]			
	08/03/09 01:10 CST		0	Hail (1.00 in)
	08/03/09 01:11 CST		0	Source: Public
ANADIAN COUNTY OKABOL	E (25 72 07 00)			
ANADIAN COUNTY OKARCH	08/03/09 01:15 CST		0	Thunderstorm Wind (MG 53 kt)
	08/03/09 01:15 CST		0	Source: Trained Spotter
				·
OK-Z010) WOODWARD				
	08/03/09 01:20 CST		0	High Wind (MAX 50 kt)
	08/03/09 01:20 CST		0	
INGFISHER COUNTY 4.0 W C	ASHION [35.80, -97.75]			
	08/03/09 01:55 CST		0	Hail (0.75 in)
	08/03/09 01:56 CST		0	Source: Fire Department/Rescue
he thunderstorms were able to it western Oklahoma. Additional through the early morr	Kansas and southeast Colorado late in the omaintain themselves, as a weak shortwave in understorms developed farther east into parting hours, with mainly heavy rainfall, small re limits, although some thunderstorms brie	noved southeast rts of northern O hail, and gusty v	and a low-level je klahoma. The entii winds mainly repo	et developed over re complex moved rted along its path.
Reports were mainly below sever near 60 mph.				
near 60 mph.	3, -96.21], 4.9 W ATOKA [34.39, -96.22]			
near 60 mph.	3, -96.21], 4.9 W ATOKA [34.39, -96.22] 08/05/09 13:30 CST		0	Thunderstorm Wind (EG 65 kt)

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Numerous power lines and trees were blown down from five miles west of Atoka, east into the Atoka at damage estimates were unavailable.		-	-	
JOHNSTON COUNTY MILBURN [34.24, -96.55]				
30HN310N COUNTY MILBORN [34.24, -36.55]	08/05/09 13:30 CST		0	Thunderstorm Wind (EG 56 kt)
	08/05/09 13:30 CST		0	Source: Emergency Manager
Several large trees were blown down, some of them	n blocking roadways. One tree	e fell on a house.	. Monetary damage	e estimates were unavailable.
JOHNSTON COUNTY BROMIDE [34.42, -96.50]				
•	08/05/09 13:45 CST		1K	Thunderstorm Wind (EG 61 kt)
	08/05/09 13:47 CST		0	Source: Public
A two-foot diameter trees was blown down. Moneta	ry damages were estimated.			
JOHNSTON COUNTY 4.7 E REAGAN [34.35, -9	6.641			
	08/05/09 14:00 CST		10K	Thunderstorm Wind (EG 61 kt)
	08/05/09 14:02 CST		0	Source: Public
Several power lines were blown down near the junc	tion of Highway 7 and US 377	7. Monetary dam	lages were estimat	ed.
JOHNSTON COUNTY TISHOMINGO [34.23, -96	68]			
. ,,,,,	08/05/09 14:00 CST		4K	Thunderstorm Wind (EG 61 kt)
	08/05/09 14:02 CST		0	Source: Law Enforcement
Two trees and a power line were blown down. Mon	etary damages were estimated	d.		
OKLAHOMA COUNTY 4.3 SSE NICOMA PARK	[35.43, -97.30]			
	08/05/09 14:20 CST		8K	Thunderstorm Wind (EG 56 kt)
	08/05/09 14:22 CST		0	Source: Fire Department/Rescue
A couple of power poles were blown down near SE	35th street and Hiwassee Ro	ad. Monetary da	mages were estima	ated.
MARSHALL COUNTY 1.0 NNW KINGSTON [34.	01, -96.73]			
	08/05/09 14:45 CST		0	Thunderstorm Wind (EG 61 kt)
	08/05/09 14:47 CST		0	Source: Emergency Manager
Four utility poles/power lines were downed on Bour damage estimates were not available.	ids Road. A large tree fell onto	o a house, and s	everal small outbui	ildings were also destroyed. Monetary
BRYAN COUNTY 3.4 W MEAD [34.00, -96.57]				
	08/05/09 14:47 CST		0	Thunderstorm Wind (EG 61 kt)
Large troop were expended or desired at laborator	08/05/09 14:49 CST	Laka Tayana A	0 Aanotany damaga a	Source: Broadcast Media
Large trees were snapped or downed at Johnson C	TEEN FAIN OII LITE EAST SIDE OF	Lane rexullia. N	nonetary damage e	ountaies were not available.
MARSHALL COUNTY 2.3 WSW MCBRIDE [33.9	<b>3, -96.68]</b> 08/05/09 14:50 CST		0	Thunderstorm Wind (EG 61 kt)
	08/05/09 14:52 CST		0	Source: Broadcast Media
	33.00.00 11.02 001		Ü	553.55. Dioddodd Modia
Four boathouses and numerous boats were heavily damage estimates were not available.	damaged at the Soldier Cree	ek Marina. Nume	rous landing docks	were damaged as well. Monetary
CARTER COUNTY SPRINGER [34.31, -97.14]				
	08/05/09 15:15 CST		5K	Thunderstorm Wind (EG 56 kt)
	08/05/09 15:17 CST		0	Source: Broadcast Media
Several trees were blown down. Monetary damage	s were estimated			
23.23. a 333 mar a 35mm domin. Monotary damage				

STEPHENS COUNTY --- 1.0 N VELMA [34.47, -97.67]

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	08/05/09 16:05 CST		0	Hail (1.00 in)
	08/05/09 16:05 CST		0	Source: Amateur Radio
STEPHENS COUNTY VELMA [34.46, -97.67]				
	08/05/09 16:10 CST		0	Hail (1.75 in)
	08/05/09 16:10 CST		0	Source: Emergency Manager
STEPHENS COUNTY VELMA [34.46, -97.67]				
	08/05/09 16:10 CST		0	Thunderstorm Wind (EG 52 kt)
	08/05/09 16:10 CST		0	Source: Emergency Manager
Golf ball-size hail was also reported in Velma.				
JEFFERSON COUNTY RINGLING [34.18, -97	=			
	08/05/09 16:45 CST		50K	Lightning
	08/05/09 16:45 CST		0	Source: Amateur Radio
A house caught fire after being struck by lightnin	ng. Monetary damage estimates	were not availab	le.	
JOHNSTON COUNTY 3.0 NE TISHOMINGO	[34.26, -96.64]			
	08/05/09 21:00 CST		5K	Thunderstorm Wind (EG 56 kt)
	08/05/09 21:02 CST		0	Source: Emergency Manager
Minor damage occurred to a roof. Monetary dam	nages were estimated.			
JOHNSTON COUNTY 0.7 NNW TISHOMING				
	08/05/09 21:07 CST		0	Thunderstorm Wind (EG 56 kt)
	08/05/09 21:09 CST		0	Source: Emergency Manager
A tree was blown onto a bridge. The bridge did r	not sustain any damage. Monet	ary damages wer	e estimated.	
OKLAHOMA COUNTY 3.2 WNW VALLEY BF			0	Hail (4.75 in)
	08/05/09 21:39 CST		0	Hail (1.75 in)
	08/05/09 21:39 CST		0	Source: Law Enforcement
The hail was reported near the corner of SW 44t	th and Western Avenue.			
OKLAHOMA COUNTY 2.4 W VALLEY BROC				H-1/4 00 (-)
	08/05/09 21:43 CST		0	Hail (1.00 in)
	08/05/09 21:43 CST		0	Source: Law Enforcement
The hail was reported near the corner of SW 596	th and Walker Avenue.			
OKLAHOMA COUNTY 2.2 ENE (OKC)WILL F			0	Hail (4.00 in)
	08/05/09 21:50 CST 08/05/09 21:50 CST		0	Hail (1.00 in) Source: Law Enforcement
T			V	Source. Law Emorcement
The hail was reported SW 59th Street and May A	Avenue.			
CANADIAN COUNTY MUSTANG [35.39, -97.	=			H-1/(0.00 i-)
	08/05/09 22:12 CST		0	Hail (0.88 in)
	08/05/09 22:12 CST		0	Source: Emergency Manager
The hail was reported on the west side of town.				
CANADIAN COUNTY MUSTANG [35.39, -97.	=			
	08/05/09 22:15 CST		0	Hail (1.75 in)
	08/05/09 22:15 CST		0	Source: Law Enforcement

The hail was reported at the Mustang police station.

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
CLEVELAND COUNTY 2.0 S NORMAN [35.19,	<del>-</del>			
	08/05/09 22:32 CST		0	Hail (0.75 in)
	08/05/09 22:32 CST		0	Source: Other Federal Agency
The hail was reported by an off-duty NSSL employ	ree.			
A remnant cold front/outflow boundary moved in southeast Oklahoma. Instability along and near t continue through the afternoon. Very heavy rain large hail and damaging winds were reported. The	the front allowed for shower fall accompanied the thunc	ers and thundersto derstorms, but as	orms to develop by the thunderstorms	y late morning, and
ALFALFA COUNTY 1.0 W BURLINGTON [36.9				
	08/10/09 13:10 CST		0	Hail (0.88 in)
	08/10/09 13:10 CST		0	Source: Public
Winds of 60 mph were also estimated at this location	on.			
ALFALFA COUNTY 1.0 W BURLINGTON [36.90	0, -98.44]			
•	08/10/09 13:10 CST		0	Thunderstorm Wind (EG 52 kt)
	08/10/09 13:10 CST		0	Source: Public
Nickel-size hail was also reported at this location.				
ALFALFA COUNTY CHEROKEE [36.75, -98.35]	1			
ALI ALI A GOGILI . GILINGINEZ [60.76, 60.66]	08/10/09 13:49 CST		0	Hail (0.88 in)
	08/10/09 13:49 CST		0	Source: Law Enforcement
ALFALFA COUNTY 1.0 SSW CHEROKEE [36.7	74, -98.36]			
	08/10/09 13:50 CST		0	Thunderstorm Wind (MG 51 kt)
	08/10/09 13:50 CST		0	Source: Mesonet
ALFALFA COUNTY 1.0 SSW CHEROKEE [36.7	74, -98.36]			
	08/10/09 14:05 CST		0	Thunderstorm Wind (MG 63 kt)
	08/10/09 14:05 CST		0	Source: Mesonet
GARFIELD COUNTY (END)VANCE AFB ENID			0	Thursdays No. (AAC CO Lt)
	08/10/09 15:05 CST		0	Thunderstorm Wind (MG 62 kt)
	08/10/09 15:05 CST		0	Source: ASOS
GARFIELD COUNTY (END)VANCE AFB ENID	[36.34, -97.92]			
	08/10/09 16:10 CST		0	Thunderstorm Wind (MG 56 kt)
	08/10/09 16:10 CST		0	Source: ASOS
LOGAN COUNTY 1.0 SE MULHALL [36.05, -97	7.39]			
-	08/10/09 16:37 CST		0	Thunderstorm Wind (EG 56 kt)
	08/10/09 16:37 CST		0	Source: COOP Observer
The observer also measured 1.24 inches of rainfal	I with the thunderstorm.			
PAYNE COUNTY (SWO)STILLWATER AIRPOR	RT [36.16, -97.09]			
·	08/10/09 16:40 CST		0	Thunderstorm Wind (MG 51 kt)
	08/10/09 16:40 CST		0	Source: ASOS
PAYNE COUNTY 1.0 NE STILLWATER [36.13,	-97.05]			
• • • • •	08/10/09 16:40 CST		7K	Thunderstorm Wind (EG 61 kt)
	08/10/09 16:42 CST		0	Source: Trained Spotter

A billboard and power pole were blown to the ground. Monetary damages were estimated.

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
PAYNE COUNTY STILLWATER [36.12, -97.	=			
	08/10/09 16:40 CST		10K	Thunderstorm Wind (EG 56 kt)
	08/10/09 16:40 CST		0	Source: Emergency Manager
Several 10-15 inch diameter tree limbs were do nour. Monetary damages were estimated.	owned, some of them falling on t	top of power lines.	At least 6,200 peo	ple were without power for around an
HARPER COUNTY 2.0 SSW BUFFALO [36.	80, -99.64]			
	08/10/09 17:15 CST		5K	Thunderstorm Wind (EG 52 kt)
	08/10/09 17:15 CST		0	Source: COOP Observer
Shingles were blown of the roof of the Coop ob	oserver's house. Monetary dama	ges were estimate	d.	
NOODWARD COUNTY 17.6 N MOORELAN	ID ARPT [36.73, -99.13]			
	08/10/09 17:45 CST		0	Thunderstorm Wind (MG 64 kt)
	08/10/09 17:45 CST		0	Source: Mesonet
NOODWARD COUNTY 17.6 N MOORELAN	ID ARPT [36.73, -99.13]			
	08/10/09 17:55 CST		0	Thunderstorm Wind (MG 52 kt)
	08/10/09 17:55 CST		0	Source: Mesonet
MAJOR COUNTY 4.0 E MENO [36.38, -98.1	1]			
	08/10/09 19:05 CST		0	Thunderstorm Wind (MG 53 kt)
	08/10/09 19:05 CST		0	Source: Mesonet
Thunderstorms developed ahead of a cold from the day. Instability and wind shear with the day. Instability and wind shear with the developed into several small reported with the high winds, especially in the	were sufficient near these bour complexes, with strong winds	ndaries for the thu	nderstorms to be	come severe. The
earlier in the day. Instability and wind shear we hunderstorms developed into several small reported with the high winds, especially in the	were sufficient near these bour complexes, with strong winds to Payne and Harper counties.	ndaries for the thu	nderstorms to bed the main threats. S	come severe. The some damage was
earlier in the day. Instability and wind shear we hunderstorms developed into several small reported with the high winds, especially in the	were sufficient near these bour complexes, with strong winds le Payne and Harper counties.	ndaries for the thu	nderstorms to be	come severe. The
earlier in the day. Instability and wind shear we hunderstorms developed into several small eported with the high winds, especially in the	were sufficient near these bour complexes, with strong winds he Payne and Harper counties. [7.90] 08/16/09 18:17 CST	ndaries for the thu	nderstorms to be ne main threats. S	come severe. The some damage was  Hail (0.88 in)
earlier in the day. Instability and wind shear v hunderstorms developed into several small eported with the high winds, especially in th GARFIELD COUNTY WAUKOMIS [36.28, -9	were sufficient near these bour complexes, with strong winds the Payne and Harper counties.  97.90]  08/16/09 18:17 CST 08/16/09 18:17 CST	ndaries for the thu	nderstorms to be the main threats. S 0 0	come severe. The some damage was  Hail (0.88 in)  Source: Public
earlier in the day. Instability and wind shear v hunderstorms developed into several small reported with the high winds, especially in th GARFIELD COUNTY WAUKOMIS [36.28, -9	were sufficient near these bour complexes, with strong winds the Payne and Harper counties.  77.90]  08/16/09 18:17 CST 08/16/09 18:25 CST	ndaries for the thu	nderstorms to be ne main threats. S 0 0	come severe. The some damage was  Hail (0.88 in)  Source: Public  Hail (1.00 in)
earlier in the day. Instability and wind shear v hunderstorms developed into several small reported with the high winds, especially in th GARFIELD COUNTY WAUKOMIS [36.28, -9	were sufficient near these bour complexes, with strong winds the Payne and Harper counties.  97.90]  08/16/09 18:17 CST 08/16/09 18:17 CST	ndaries for the thu	nderstorms to be the main threats. S 0 0	come severe. The some damage was  Hail (0.88 in)  Source: Public
earlier in the day. Instability and wind shear we hunderstorms developed into several small eported with the high winds, especially in the GARFIELD COUNTY WAUKOMIS [36.28, -9 MARTIELD COUNTY GOLTRY [36.53, -98.15	were sufficient near these bour complexes, with strong winds the Payne and Harper counties.  77.90]  08/16/09 18:17 CST 08/16/09 18:17 CST	ndaries for the thu	nderstorms to be ne main threats. S 0 0	come severe. The some damage was  Hail (0.88 in)  Source: Public  Hail (1.00 in)
earlier in the day. Instability and wind shear we hunderstorms developed into several small reported with the high winds, especially in the GARFIELD COUNTY WAUKOMIS [36.28, -9 ALFALFA COUNTY GOLTRY [36.53, -98.15] The winds were also estimated at 60 to 70 mph	were sufficient near these bour complexes, with strong winds the Payne and Harper counties.  17.90]  08/16/09 18:17 CST 08/16/09 18:17 CST  08/16/09 18:25 CST 08/16/09 18:25 CST	ndaries for the thu	nderstorms to be ne main threats. S	come severe. The some damage was  Hail (0.88 in) Source: Public  Hail (1.00 in) Source: Public
earlier in the day. Instability and wind shear with the control of	were sufficient near these bour complexes, with strong winds to Payne and Harper counties.  17.90]  08/16/09 18:17 CST 08/16/09 18:25 CST 08/16/09 18:25 CST 1  08/16/09 18:35 CST	ndaries for the thu	nderstorms to be the main threats. S	come severe. The some damage was  Hail (0.88 in) Source: Public  Hail (1.00 in) Source: Public
earlier in the day. Instability and wind shear we hunderstorms developed into several small eported with the high winds, especially in the GARFIELD COUNTY WAUKOMIS [36.28, -9 ALFALFA COUNTY GOLTRY [36.53, -98.15] The winds were also estimated at 60 to 70 mph	were sufficient near these bour complexes, with strong winds the Payne and Harper counties.  17.90]  08/16/09 18:17 CST 08/16/09 18:17 CST  08/16/09 18:25 CST 08/16/09 18:25 CST	ndaries for the thu	nderstorms to be ne main threats. S	come severe. The some damage was  Hail (0.88 in) Source: Public  Hail (1.00 in) Source: Public
earlier in the day. Instability and wind shear we hunderstorms developed into several small eported with the high winds, especially in the GARFIELD COUNTY WAUKOMIS [36.28, -9 ALFALFA COUNTY GOLTRY [36.53, -98.15] The winds were also estimated at 60 to 70 mph ALFALFA COUNTY GOLTRY [36.53, -98.15]	were sufficient near these bour complexes, with strong winds the Payne and Harper counties.  77.90]  08/16/09 18:17 CST 08/16/09 18:25 CST 08/16/09 18:25 CST  08/16/09 18:35 CST 08/16/09 18:35 CST	ndaries for the thu and heavy rains t	nderstorms to be the main threats. S	Come severe. The fome damage was  Hail (0.88 in) Source: Public  Hail (1.00 in) Source: Public  Thunderstorm Wind (EG 61 kt) Source: Emergency Manager
Parlier in the day. Instability and wind shear we hunderstorms developed into several small eported with the high winds, especially in the BARFIELD COUNTY WAUKOMIS [36.28, -9 ALFALFA COUNTY GOLTRY [36.53, -98.15] The winds were also estimated at 60 to 70 mpt alfaLFALFA COUNTY GOLTRY [36.53, -98.15] Several tree limbs and power lines were downed.	were sufficient near these bour complexes, with strong winds to Payne and Harper counties.  17.90]  08/16/09 18:17 CST 08/16/09 18:17 CST 08/16/09 18:25 CST 08/16/09 18:25 CST 1.  08/16/09 18:35 CST 08/16/09 18:37 CST ed, and several structures reported.  15.56, -98.06]	ndaries for the thu and heavy rains t	nderstorms to be the main threats. S  0 0 0 0 0 age. Monetary dar	Come severe. The some damage was  Hail (0.88 in) Source: Public  Hail (1.00 in) Source: Public  Thunderstorm Wind (EG 61 kt) Source: Emergency Manager mage estimates were not available.
parlier in the day. Instability and wind shear with the day. Instability and wind shear with understorms developed into several small reported with the high winds, especially in the GARFIELD COUNTY WAUKOMIS [36.28, -9 ALFALFA COUNTY GOLTRY [36.53, -98.15]  The winds were also estimated at 60 to 70 mpt alfaLFALFA COUNTY GOLTRY [36.53, -98.15]  Several tree limbs and power lines were downed.	were sufficient near these bour complexes, with strong winds to Payne and Harper counties.  17.90]  08/16/09 18:17 CST  08/16/09 18:25 CST  08/16/09 18:25 CST  08/16/09 18:35 CST  08/16/09 18:37 CST  ed, and several structures report 08/16/09 18:41 CST	ndaries for the thu and heavy rains t	O O O O O O O O O O O O O O O O O O O	Come severe. The some damage was  Hail (0.88 in) Source: Public  Hail (1.00 in) Source: Public  Thunderstorm Wind (EG 61 kt) Source: Emergency Manager mage estimates were not available.  Hail (1.25 in)
Parlier in the day. Instability and wind shear with the day. Instability and wind shear with the deported with the high winds, especially in the sarrier with	were sufficient near these bour complexes, with strong winds to Payne and Harper counties.  17.90]  08/16/09 18:17 CST 08/16/09 18:17 CST 08/16/09 18:25 CST 08/16/09 18:25 CST 1.  08/16/09 18:35 CST 08/16/09 18:37 CST ed, and several structures reported.  15.56, -98.06]	ndaries for the thu and heavy rains t	nderstorms to be the main threats. S  0 0 0 0 0 age. Monetary dar	Come severe. The some damage was  Hail (0.88 in) Source: Public  Hail (1.00 in) Source: Public  Thunderstorm Wind (EG 61 kt) Source: Emergency Manager mage estimates were not available.
earlier in the day. Instability and wind shear withunderstorms developed into several small reported with the high winds, especially in the GARFIELD COUNTY WAUKOMIS [36.28, -9 ALFALFA COUNTY GOLTRY [36.53, -98.15]  The winds were also estimated at 60 to 70 mph ALFALFA COUNTY GOLTRY [36.53, -98.15]  Several tree limbs and power lines were downed GARFIELD COUNTY 4.0 W HILLSDALE [36	were sufficient near these bour complexes, with strong winds the Payne and Harper counties.  77.90]  08/16/09 18:17 CST 08/16/09 18:17 CST  08/16/09 18:25 CST 08/16/09 18:25 CST  08/16/09 18:37 CST  ed, and several structures report  0.56, -98.06]  08/16/09 18:41 CST	ndaries for the thu and heavy rains t	O O O O O O O O O O O O O O O O O O O	Come severe. The some damage was  Hail (0.88 in) Source: Public  Hail (1.00 in) Source: Public  Thunderstorm Wind (EG 61 kt) Source: Emergency Manager mage estimates were not available.  Hail (1.25 in)
earlier in the day. Instability and wind shear verthunderstorms developed into several small reported with the high winds, especially in the GARFIELD COUNTY WAUKOMIS [36.28, -9 ALFALFA COUNTY GOLTRY [36.53, -98.15]  The winds were also estimated at 60 to 70 mph	were sufficient near these bour complexes, with strong winds the Payne and Harper counties.  77.90]  08/16/09 18:17 CST 08/16/09 18:17 CST  08/16/09 18:25 CST 08/16/09 18:25 CST  08/16/09 18:37 CST  ed, and several structures report  0.56, -98.06]  08/16/09 18:41 CST	ndaries for the thu and heavy rains t	O O O O O O O O O O O O O O O O O O O	Come severe. The some damage was  Hail (0.88 in) Source: Public  Hail (1.00 in) Source: Public  Thunderstorm Wind (EG 61 kt) Source: Emergency Manager mage estimates were not available.  Hail (1.25 in)
parlier in the day. Instability and wind shear withunderstorms developed into several small reported with the high winds, especially in the GARFIELD COUNTY WAUKOMIS [36.28, -9 ALFALFA COUNTY GOLTRY [36.53, -98.15]  The winds were also estimated at 60 to 70 mph ALFALFA COUNTY GOLTRY [36.53, -98.15]  Several tree limbs and power lines were downed GARFIELD COUNTY 4.0 W HILLSDALE [36	were sufficient near these bour complexes, with strong winds the Payne and Harper counties.  77.90]  08/16/09 18:17 CST 08/16/09 18:17 CST  08/16/09 18:25 CST 08/16/09 18:25 CST  08/16/09 18:37 CST  ed, and several structures report 08/16/09 18:41 CST 08/16/09 18:41 CST	ndaries for the thu and heavy rains t	O O O O O O O O O O O O O O O O O O O	Come severe. The fome damage was  Hail (0.88 in) Source: Public  Hail (1.00 in) Source: Public  Thunderstorm Wind (EG 61 kt) Source: Emergency Manager mage estimates were not available.  Hail (1.25 in) Source: Public
Parlier in the day. Instability and wind shear with the day. Instability and wind shear with the high winds, especially in the eported with the high winds, especially in the EARFIELD COUNTY WAUKOMIS [36.28, -9 ALFALFA COUNTY GOLTRY [36.53, -98.15]. The winds were also estimated at 60 to 70 mph ALFALFA COUNTY GOLTRY [36.53, -98.15]. Several tree limbs and power lines were downed as EARFIELD COUNTY 4.0 W HILLSDALE [36]. GRANT COUNTY JEFFERSON [36.72, -97.77].	were sufficient near these bour complexes, with strong winds to Payne and Harper counties.  17.90]  08/16/09 18:17 CST 08/16/09 18:25 CST 08/16/09 18:25 CST 08/16/09 18:35 CST 08/16/09 18:37 CST  ed, and several structures report  1.5.56, -98.06] 08/16/09 18:41 CST 08/16/09 18:41 CST 08/16/09 19:07 CST 08/16/09 19:07 CST	ndaries for the thu and heavy rains t	onderstorms to be the main threats. S  0 0 0 0 0 0 age. Monetary dar 0 0	Come severe. The fome damage was  Hail (0.88 in) Source: Public  Hail (1.00 in) Source: Public  Thunderstorm Wind (EG 61 kt) Source: Emergency Manager mage estimates were not available.  Hail (1.25 in) Source: Public  Hail (0.75 in)
earlier in the day. Instability and wind shear whunderstorms developed into several small eported with the high winds, especially in the GARFIELD COUNTY WAUKOMIS [36.28, -9 ALFALFA COUNTY GOLTRY [36.53, -98.15] The winds were also estimated at 60 to 70 mph ALFALFA COUNTY GOLTRY [36.53, -98.15] Several tree limbs and power lines were downed GARFIELD COUNTY 4.0 W HILLSDALE [36	were sufficient near these bour complexes, with strong winds to Payne and Harper counties.  17.90]  08/16/09 18:17 CST 08/16/09 18:25 CST 08/16/09 18:25 CST 08/16/09 18:35 CST 08/16/09 18:37 CST  ed, and several structures report  1.5.56, -98.06] 08/16/09 18:41 CST 08/16/09 18:41 CST 08/16/09 19:07 CST 08/16/09 19:07 CST	ndaries for the thu and heavy rains t	onderstorms to be the main threats. S  0 0 0 0 0 0 age. Monetary dar 0 0	Come severe. The fome damage was  Hail (0.88 in) Source: Public  Hail (1.00 in) Source: Public  Thunderstorm Wind (EG 61 kt) Source: Emergency Manager mage estimates were not available.  Hail (1.25 in) Source: Public  Hail (0.75 in)

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Several power lines from Carrier to Kremlin were downed by the strong winds. Monetary damages were estimated.

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
KAY COUNTY 3.0 N BRAMAN [36.96, -97.33]				
	08/16/09 19:45 CST		0	Hail (0.75 in)
	08/16/09 19:45 CST		0	Source: Public
GARFIELD COUNTY 6.0 N ENID [36.49, -97.8	8]			
	08/16/09 19:55 CST		0	Hail (1.00 in)
	08/16/09 19:55 CST		0	Source: Emergency Manager
GARFIELD COUNTY 6.0 N ENID [36.49, -97.8	8]			
	08/16/09 19:55 CST		0	Thunderstorm Wind (EG 75 kt)
	08/16/09 19:57 CST		0	Source: Emergency Manager
No damage was reported with the wind gust.				
GARFIELD COUNTY CARRIER [36.48, -98.02	=			
	08/16/09 20:28 CST		0	Hail (1.00 in)
	08/16/09 20:28 CST		0	Source: Emergency Manager
GARFIELD COUNTY CARRIER [36.48, -98.02	r], 3.3 N NORTH ENID [36.49,	-97.87], 0.6 N NOF	RTH ENID [36.45, -9	97.87], 2.7 S CARRIER [36.44, -98.02]
<del>-</del>	08/16/09 20:32 CST		0	Flash Flood (due to Heavy Rain)
	08/16/09 23:00 CST		0	Source: Law Enforcement
Thunderstorms developed over mainly norther located. Farther west, a stronger cap mitigated through mid evening, with movement northeas places in Garfield county reporting water over	the chances for development t into Kansas. Besides large	nt. The activity rer	mained over mainly	y north central Oklahoma
BLAINE COUNTY ROMAN NOSE ST PARK [	35.93, -98.43] 08/17/09 17:43 CST		0	Hail (1.00 in)
	08/17/09 17:43 CST		0	Source: Park/Forest Service
CRANT COUNTY NACH 199 07 00 051				
GRANT COUNTY NASH [36.67, -98.05]	08/17/09 18:25 CST		0	Hail (1.00 in)
	08/17/09 18:25 CST		0	Source: Public
CUSTER COUNTY 5.0 SW BUTLER [35.59, -	99.25]			
	08/17/09 19:05 CST		0	Thunderstorm Wind (MG 52 kt)
	08/17/09 19:05 CST		0	Source: Mesonet
KAY COUNTY BLACKWELL [36.80, -97.28]				
<b>,</b> ,	08/17/09 19:05 CST		0	Hail (0.88 in)
	08/17/09 19:05 CST		0	Source: Emergency Manager
WASHITA COUNTY 4.0 WNW BESSIE [35.40	99.061			
	08/17/09 19:30 CST		0	Thunderstorm Wind (MG 50 kt)
	08/17/09 19:30 CST		0	Source: Mesonet
BLAINE COUNTY 3.0 E GREENFIELD [35.73	98,331			
	08/17/09 19:45 CST		0	Hail (0.75 in)
	08/17/09 19:45 CST		0	Source: Public

GRANT COUNTY --- 3.4 SSW MEDFORD [36.77, -97.76], 3.0 SW MEDFORD [36.78, -97.77], 2.7 N MEDFORD [36.85, -97.73], 0.6 NNE MEDFORD [36.82, -97.73]

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	08/17/09 19:45 CST		0	Flash Flood (due to Heavy Rain)
	08/17/09 21:45 CST		0	Source: Law Enforcement
clash flooding was reported near the One and M.	Oak Plant, two to three miles southw	vest of Medford on	Highway 81. Addii	tional flooding was reported on CR M
CUSTER COUNTY 4.0 WSW WEATHE			0	Thursdaystans Wind (MC FO Id)
	08/17/09 19:55 CST 08/17/09 19:55 CST		0	Thunderstorm Wind (MG 50 kt)
	08/17/09 19:55 CS1		0	Source: Mesonet
ADDO COUNTY 7.0 W HINTON [35.4	7, -98.48]			
-	08/17/09 20:30 CST		0	Thunderstorm Wind (MG 54 kt)
	08/17/09 20:35 CST		0	Source: Mesonet
A wind gust of 58 mph was measured at 2 cdt.	:130 cdt, another gust of 62 mph was	measured at 213	5 cdt, and another	gust to 66 mph was measured at 2140
GRANT COUNTY 6.0 N LAMONT [36.7	8, -97.56] 08/17/09 20:35 CST		0	Hail (1.25 in)
	08/17/09 20:35 CST			Hail (1.25 in) Source: Public
	00/11/08 20.33 631		0	Goulde. Fublic
CANADIAN COUNTY 9.4 WSW CALUM	MET [35.56, -98.28]			
	08/17/09 20:40 CST		0	Thunderstorm Wind (EG 61 kt)
	08/17/09 20:40 CST		0	Source: Amateur Radio
reported at this location. Monetary damage			0	Thunderstorm Wind (EG 61 kt)
	08/17/09 20:47 CST		0	Source: Amateur Radio
A tractor trailer was blown over on Interstate and available.  KAY COUNTY 2.9 NW BLACKWELL [3]				, č
BLACKWELL [36.83, -97.28]	08/17/09 22:00 CST		0	Flesh Fleed (due to Heavy Pain)
			0	Flash Flood (due to Heavy Rain)
	08/18/09 01:00 CST		0	Source: Emergency Manager
Several streets in Blackwell were closed d	ue to water running over top of them	. Several county ro	eads west of town	were also impassable.
(AY COUNTY 1.8 NNE PONCA CITY [	36.72, -97.07], 0.9 S PONCA CITY [3	6.69, -97.08]		
•	08/17/09 22:45 CST	. <del>-</del>	0.90M	Thunderstorm Wind (EG 65 kt)
	08/17/09 22:47 CST		0	Source: County Official
Videspread wind damage was reported or to 5 blocks. Numerous trees and power line and losing its roof. Monetary damage is es	es were blown down. Several house	s reported at least	minor damage, wi	
GARFIELD COUNTY 3.9 SW KREMLIN	I [36.51, -97.87], 4.1 ESE CARRIER	[36.46, -97.95], 0.6	NNW NORTH ENI	ID [36.45, -97.87], 2.3 NE NORTH ENID
36.46, -97.84]				
	08/18/09 00:00 CST		0	Flash Flood (due to Heavy Rain)

Highways 45 and 81, north and west of Enid, were closed due to water running over top of them. Several county roads were also closed in these areas due to high water.

A stationary frontal boundary was located from the Texas panhandle, into west central and central Oklahoma Oklahoma during the late afternoon hours. Very unstable air was in place along and south of the boundary. Thunderstorms developed over the Texas panhandle and developed eastward along the boundary. The combination of the very unstable air and decent vertical wind shear allowed for some of the thunderstorms to become better organized, with severe weather reported over parts of west central into central Oklahoma. Later in the evening, additional thunderstorms developed north of the boundary as the low-level jet developed. Severe weather was

08/18/09 03:30 CST

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Source: Emergency Manager

eported over parts of northern Oklahoma, mainly in the form of str ELLIS COUNTY (GAG)GAGE AIRPORT [36.30, -99.78] 08/18/09 21:50 0 08/18/09 21:50 0 08/18/09 22:40 0 08/18/09 22:40 0	est est	y rainfall. 0 0	Thunderstorm Wind (MG 57 kt) Source: ASOS
08/18/09 21:50 0 08/18/09 21:50 0 BECKHAM COUNTY 4.0 ESE ERICK [35.19, -99.80] 08/18/09 22:40 0	CST		· · · · · · · · · · · · · · · · · · ·
08/18/09 21:50 0	CST		· · · · · · · · · · · · · · · · · · ·
BECKHAM COUNTY 4.0 ESE ERICK [35.19, -99.80] 08/18/09 22:40 C	CST	0	Source: ASOS
08/18/09 22:40 0			
08/18/09 22:40 (	ST	0	Thunderstorm Wind (MG 56 kt)
		0	Source: Mesonet
GREER COUNTY 5.0 SE MANGUM [34.83, -99.44]			
08/18/09 23:15 C	CST	0	Thunderstorm Wind (MG 53 kt)
08/18/09 23:15 C	CST	0	Source: Mesonet
CUSTER COUNTY 4.0 WSW WEATHERFORD [35.51, -98.77]			
08/18/09 23:20 0	ST	0	Thunderstorm Wind (MG 50 kt)
08/18/09 23:20 0	CST	0	Source: Mesonet
GREER COUNTY 5.0 SE MANGUM [34.83, -99.44]			
08/18/09 23:20 0	CST	0	Thunderstorm Wind (MG 52 kt)
08/18/09 23:20 0	CST	0	Source: Mesonet
(IOWA COUNTY 4.0 SE HOBART [34.99, -99.05]			
08/18/09 23:35 (	ST	0	Thunderstorm Wind (MG 59 kt)
08/18/09 23:35 0	CST	0	Source: Mesonet
CADDO COUNTY 7.0 W HINTON [35.47, -98.48]			
08/18/09 23:50 0	CST	0	Thunderstorm Wind (MG 52 kt)
08/18/09 23:50 C	CST	0	Source: Mesonet
CADDO COUNTY 2.0 W CYRIL [34.90, -98.24]			
08/19/09 00:22 0	CST	0	Thunderstorm Wind (MG 56 kt)
08/19/09 00:22 0	CST	0	Source: Amateur Radio
COMANCHE COUNTY 3.0 W MEDICINE PARK [34.73, -98.55]			
08/19/09 00:30 C	CST	0	Thunderstorm Wind (MG 56 kt)
08/19/09 00:30 0	CST	0	Source: Mesonet
CLEVELAND COUNTY 1.0 N NORMAN [35.23, -97.44]			
08/19/09 01:05 C	CST	0	Thunderstorm Wind (EG 52 kt)
08/19/09 01:05 0	CST	0	Source: NWS Employee
No damage was reported with the wind gust.			
An well-defined upper level disturbance moved east into the south	ern plains during the late	afternoon and earl	y evening hours.
Thunderstorms developed over the panhandles and southwest Kar Oklahoma. Thunderstorms were able to sustain themselves as the he day stabilized the atmosphere, with cut down on storm intensit	low-level jet developed by during the late evening	y mid evening. Thu However, strong v	ınderstorms earlier in winds were reported
over several locations as the thunderstorms moved into eastern Ol n Kiowa county, where a gust of 68 was measured. No damage wa		=	est winds were reported
HARPER COUNTY 12.5 S SELMAN [36.62, -99.45]			
08/19/09 19:40 0	CST	0	Hail (2.75 in)
08/19/09 19:50 C	CST	0	Source: Trained Spotter
A car windshield was busted out by the hail. The hail, up to baseball s	ize, lasted for several mini	ites. Monetary dam	ages were estimated.

WOODWARD COUNTY --- 2.1 W WOODWARD [36.43, -99.43]

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0819092 70 34 CST	Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
### The hail was reported near 38th Street and Oklahoms Avenue.  #### WOODWARD COUNTY — 0.5 W WOODWARD [56.43, 498.40]		08/19/09 20:34 CST		0	Hail (0.88 in)
WOODWARD COUNTY 0.5 W WOODWARD [58.43,-99.40]  08/19/09 20/43 CST 0 Source: Trained Spotter  The hail was reported on 15th Street, a quarter of a mile south of Oktahoma Avenue.  WOODWARD COUNTY 1.0 S WOODWARD [58.42, -99.39]  08/19/09 20/43 CST 0 Hail (1.00 in)  08/19/09 20/43 CST 0 Source: Emergency Manager  The hail was reported one mile south of the Highway 41/22/70 interchange.  WOODWARD COUNTY 3.4 SE WOODWARD [38.39, -99.35]  08/19/09 20/55 CST 0 Hail (0.75 in)  08/19/09 20/55 CST 0 Source: Trained Spotter  The hail was reported near the junction of Highways 270 and 34.  LINCOLN COUNTY 6.4 NW CARNEY [35.89, -97.09]  08/19/09 20/30 CST 0 Source: Trained Spotter  The hail was reported to two mobile homes, approximately four miles west and one mile north of the Highway 177 and 105 interchange.  MOODWARD COUNTY MOORELAND [38.44, -99.21]  08/20/09 03/15 CST 0 Hail (0.75 in)  08/20/09 03/15 CST 0 Source: Public  DEWEY COUNTY 1.0 N HUCMAC [38.07, -98.79]  08/20/09 04/10 CST 0 Thurderstorm Wind [CG 52 kt)  08/20/09 04/10 CST 0 Source: Amateur Radio  No damage was reported with the wind gust.  MAJOR COUNTY 6.0 WSW FAIRVIEW [38.24, -98.58]  08/20/09 04/10 CST 0 Hail (0.75 in)  08/20/09 04/10 CST 0 Source: Public  BLAINE COUNTY 0KEENE [36.12, -98.32]  08/20/09 04/30 CST 0 Hail (0.75 in)  08/20/09 04/30 CST 0 Hail (0.75 in)  08/20/09 04/30 CST 0 Source: OOP Observer  KINGFISHER COUNTY 3.0 E LOYAL [33.97, -96.07]  08/20/09 04/30 CST 0 Source: COOP Observer		08/19/09 20:34 CST		0	Source: Trained Spotter
O8/19/09 20/43 CST	The hail was reported near 38th Street and Okl	lahoma Avenue.			
OB/19/09 20:43 CST   O   Source: Trained Spotter	WOODWARD COUNTY 0.5 W WOODWARD	D [36.43, -99.40]			
The hail was reported on 15th Street, a quarter of a mile south of Oklahoma Avenue.				0	
WOODWARD COUNTY 1.0 S WOODWARD [36.42, -99.39]  08/19/09 20.43 CST 0 Hail (1.00 in)  08/19/09 20.43 CST 0 Source: Emergency Manager  The hail was reported one mile south of the Highway 412/270 interchange.  WOODWARD COUNTY 3.4 SE WOODWARD [36.39, -99.35]  08/19/09 20.55 CST 0 Hail (0.75 in)  08/19/09 20.55 CST 0 Source: Trained Spotter  The hail was reported near the junction of Highways 270 and 34.  LINCOLN COUNTY 6.4 NW CARNEY [35.89, -97.09]  08/19/09 23.05 CST 70K Thunderstorm Wind (EG 61 kt)  08/19/09 23.05 CST 0 Source: County Official  Significant damage was reported to two mobile homes, approximately four miles west and one mile north of the Highway 177 and 105 interchange.  MOODWARD COUNTY MOORELAND [36.44, -99.21]  08/20/09 03.15 CST 0 Hail (0.75 in)  08/20/09 03.15 CST 0 Source: Public  DEWEY COUNTY 1.0 N HUCMAC [36.07, -98.79]  08/20/09 04.10 CST 0 Thunderstorm Wind (EG 52 kt)  08/20/09 04.10 CST 0 Source: Public  MAJOR COUNTY 6.0 WSW FAIRVIEW [36.24, -98.88]  08/20/09 04.10 CST 0 Hail (0.88 in)  08/20/09 04.10 CST 0 Hail (0.75 in)  08/20/09 04.10 CST 0 Hail (0.75 in)  08/20/09 04.10 CST 0 Source: Public  BLAINE COUNTY OKEENE [36.12, -98.32]  08/20/09 04.10 CST 0 Hail (0.75 in)  08/20/09 04.10 CST 0 Source: Public		08/19/09 20:43 CST		0	Source: Trained Spotter
OB/19/09 20/43 CST   O	The hail was reported on 15th Street, a quarter	of a mile south of Oklahoma Av	venue.		
OB/19/09 20:43 CST	WOODWARD COUNTY 1.0 S WOODWARD				
The hail was reported one mile south of the Highway 412/270 interchange.  WOODWARD COUNTY 3.4 SE WOODWARD [36.39, -99.35]  08/19/09 20:55 CST 0 Hail (0.75 in)  08/19/09 20:55 CST 0 Source: Trained Spotter  The hail was reported near the junction of Highways 270 and 34.  LINCOLN COUNTY 6.4 NW CARNEY [35.89, -97.09]  08/19/09 23:06 CST 70K Thunderstorm Wind (EG 61 kt)  08/19/09 23:06 CST 0 Source: County Official  Significant damage was reported to two mobile homes, approximately four miles west and one mile north of the Highway 177 and 105 interchange.  MOODWARD COUNTY MOORELAND [36.44, -99.21]  08/20/09 03:15 CST 0 Hail (0.75 in)  08/20/09 03:15 CST 0 Source: Public  DEWEY COUNTY 1.0 N HUCMAC [36.07, -98.79]  08/20/09 04:10 CST 0 Source: Amateur Radio  No damage was reported with the wind gust.  MAJOR COUNTY 6.0 WSW FAIRVIEW [36.24, -98.68]  08/20/09 04:10 CST 0 Hail (0.75 in)  08/20/09 04:00 CST 0 Source: Public					
WOODWARD COUNTY 3.4 SE WOODWARD [36.34, -99.35]   08119/09 20:55 CST		08/19/09 20:43 CST		0	Source: Emergency Manager
08/19/09 20:55 CST 0 Hail (0.75 in) 08/19/09 20:55 CST 0 Source: Trained Spotter  The hail was reported near the junction of Highways 270 and 34.  LINCOLN COUNTY 6.4 NW CARNEY [35.89, -97.09] 08/19/09 23:06 CST 70K Thunderstorm Wind (EG 61 kt) 08/19/09 23:06 CST 0 Source: County Official  Significant damage was reported to two mobile homes, approximately four miles west and one mile north of the Highway 177 and 105 interchange.  Monetary damages were estimated.  WOODWARD COUNTY MOORELAND [36.44, -99.21] 08/20/09 03:15 CST 0 Hail (0.75 in) 08/20/09 03:15 CST 0 Source: Public  DEWEY COUNTY 1.0 N HUCMAC [36.07, -98.79] 08/20/09 04:10 CST 0 Source: Amateur Radio  No damage was reported with the wind gust.  MAJOR COUNTY 6.0 WSW FAIRVIEW [36.24, -98.58] 08/20/09 04:10 CST 0 Hail (0.88 in) 08/20/09 04:10 CST 0 Source: Public  BLAINE COUNTY OKEENE [36.12, -98.32] 08/20/09 04:30 CST 0 Hail (0.75 in) 08/20/09 04:30 CST 0 Source: COOP Observer  KINGFISHER COUNTY 3.0 E LOYAL [35.97, -98.07] 08/20/09 05:05 CST 0 Hail (1.75 in)	The hail was reported one mile south of the Hig	ghway 412/270 interchange.			
08/19/09 20:55 CST 0 Source: Trained Spotter  The hail was reported near the junction of Highways 270 and 34.  LINCOLN COUNTY 6.4 NW CARNEY [35.89, -97.09] 08/19/09 23:06 CST 70K Thunderstorm Wind (EG 61 kt) 08/19/09 23:06 CST 0 Source: County Official  Significant damage was reported to two mobile homes, approximately four miles west and one mile north of the Highway 177 and 105 interchange.  Monetary damages were estimated.  WOODWARD COUNTY MOORELAND [36.44, -99.21] 08/20/09 03:15 CST 0 Hail (0.75 in) 08/20/09 03:16 CST 0 Source: Public  DEWEY COUNTY 1.0 N HUCMAC [36.07, -98.79] 08/20/09 04:10 CST 0 Source: Amateur Radio  No damage was reported with the wind gust.  MAJOR COUNTY 6.0 WSW FAIRVIEW [36.24, -98.58] 08/20/09 04:10 CST 0 Source: Public  BLAINE COUNTY OKEENE [36.12, -98.32] 08/20/09 04:30 CST 0 Hail (0.75 in) 08/20/09 04:30 CST 0 Source: COOP Observer  KINGFISHER COUNTY 3.0 E LOYAL [35.97, -98.07] 08/20/09 05:05 CST 0 Hail (1.75 in)	WOODWARD COUNTY 3.4 SE WOODWAR				
The hail was reported near the junction of Highways 270 and 34.  LINCOLN COUNTY 6.4 NW CARNEY [35.89, -97.09]  08/19/09 23:03 CST 0 Source: County Official  Significant damage was reported to two mobile homes, approximately four miles west and one mile north of the Highway 177 and 105 interchange:  MOODWARD COUNTY MOORELAND [36.44, -99.21]  08/20/09 03:15 CST 0 Hail (0.75 in)  08/20/09 03:15 CST 0 Source: Public  DEWEY COUNTY 1.0 N HUCMAC [36.07, -98.79]  08/20/09 04:10 CST 0 Source: Amateur Radio  No damage was reported with the wind gust.  MAJOR COUNTY 6.0 WSW FAIRVIEW [36.24, -96.58]  08/20/09 04:10 CST 0 Source: Public  BLAINE COUNTY OKEENE [36.12, -98.32]  08/20/09 04:30 CST 0 Source: COOP Observer  KINGFISHER COUNTY 3.0 E LOYAL [35.97, -98.07] 08/20/09 05:05 CST 0 Hail (1.75 in)		08/19/09 20:55 CST		0	
LINCOLN COUNTY 6.4 NW CARNEY [35.89, -97.09]  08/19/09 23:03 CST 70K Thunderstorm Wind (EG 61 kt) 08/19/09 23:06 CST 0 Source: County Official  Significant damage was reported to two mobile homes, approximately four miles west and one mile north of the Highway 177 and 105 interchange.  MoodWARD COUNTY MOORELAND [36.44, -99.21] 08/20/09 03:15 CST 0 Hail (0.75 in) 08/20/09 03:15 CST 0 Source: Public  DEWEY COUNTY 1.0 N HUCMAC [36.07, -98.79] 08/20/09 04:10 CST 0 Thunderstorm Wind (EG 52 kt) 08/20/09 04:10 CST 0 Source: Amateur Radio  No damage was reported with the wind gust.  MAJOR COUNTY 6.0 WSW FAIRVIEW [36.24, -98.58] 08/20/09 04:10 CST 0 Hail (0.88 in) 08/20/09 04:10 CST 0 Source: Public  BLAINE COUNTY OKEENE [36.12, -98.32] 08/20/09 04:30 CST 0 Hail (0.75 in) 08/20/09 04:30 CST 0 Source: COOP Observer		08/19/09 20:55 CST		0	Source: Trained Spotter
08/19/09 23:03 CST 70K Thunderstorm Wind (EG 61 kt) 08/19/09 23:06 CST 0 0 Source: County Official  Significant damage was reported to two mobile homes, approximately four miles west and one mile north of the Highway 177 and 105 interchange.  MOODWARD COUNTY MOORELAND [36.44, -99.21]	The hail was reported near the junction of High	ways 270 and 34.			
O8/19/09 23:06 CST	LINCOLN COUNTY 6.4 NW CARNEY [35.89	·		70K	Thunderstorm Wind (EG 61 kt)
Significant damage was reported to two mobile homes, approximately four miles west and one mile north of the Highway 177 and 105 interchange.  Monetary damages were estimated.  WOODWARD COUNTY MOORELAND [36.44, -99.21]  08/20/09 03:15 CST 0 Hail (0.75 in) 08/20/09 03:15 CST 0 Source: Public  DEWEY COUNTY 1.0 N HUCMAC [36.07, -98.79] 08/20/09 04:10 CST 0 Source: Amateur Radio  No damage was reported with the wind gust.  MAJOR COUNTY 6.0 WSW FAIRVIEW [36.24, -98.58] 08/20/09 04:10 CST 0 Hail (0.88 in) 08/20/09 04:10 CST 0 Source: Public  BLAINE COUNTY OKEENE [36.12, -98.32] 08/20/09 04:30 CST 0 Hail (0.75 in) 08/20/09 04:30 CST 0 Hail (0.75 in) 08/20/09 04:30 CST 0 Hail (1.75 in) 08/20/09 05:05 CST 0 Hail (1.75 in)					
08/20/09 03:15 CST 0 Hail (0.75 in) 08/20/09 03:15 CST 0 Thunderstorm Wind (EG 52 kt) 08/20/09 04:10 CST 0 Thunderstorm Wind (EG 52 kt) 08/20/09 04:10 CST 0 Source: Amateur Radio  No damage was reported with the wind gust.  MAJOR COUNTY 6.0 WSW FAIRVIEW [36.24, -98.58] 08/20/09 04:10 CST 0 Hail (0.88 in) 08/20/09 04:10 CST 0 Source: Public  BLAINE COUNTY OKEENE [36.12, -98.32] 08/20/09 04:30 CST 0 Hail (0.75 in) 08/20/09 04:30 CST 0 Source: COOP Observer  KINGFISHER COUNTY 3.0 E LOYAL [35.97, -98.07] 08/20/09 05:05 CST 0 Hail (1.75 in)	Monetary damages were estimated.		es west and one m	ile north of the Hig	hway 177 and 105 interchange.
08/20/09 03:15 CST 0 Source: Public  DEWEY COUNTY 1.0 N HUCMAC [36.07, -98.79] 08/20/09 04:10 CST 0 Thunderstorm Wind (EG 52 kt) 08/20/09 04:10 CST 0 Source: Amateur Radio  No damage was reported with the wind gust.  MAJOR COUNTY 6.0 WSW FAIRVIEW [36.24, -98.58] 08/20/09 04:10 CST 0 Hail (0.88 in) 08/20/09 04:10 CST 0 Source: Public  BLAINE COUNTY OKEENE [36.12, -98.32] 08/20/09 04:30 CST 0 Hail (0.75 in) 08/20/09 04:30 CST 0 Source: COOP Observer  KINGFISHER COUNTY 3.0 E LOYAL [35.97, -98.07] 08/20/09 05:05 CST 0 Hail (1.75 in)	WOODWARD COUNTY MOORELAND [36.4	- · · ·		•	11.17.6.75.
DEWEY COUNTY 1.0 N HUCMAC [36.07, -98.79]  08/20/09 04:10 CST  0 8/20/09 04:10 CST  0 Source: Amateur Radio  No damage was reported with the wind gust.  MAJOR COUNTY 6.0 WSW FAIRVIEW [36.24, -98.58]  08/20/09 04:10 CST  0 Hail (0.88 in)  08/20/09 04:10 CST  0 Source: Public  BLAINE COUNTY OKEENE [36.12, -98.32]  08/20/09 04:30 CST  0 Hail (0.75 in)  08/20/09 04:30 CST  0 Source: COOP Observer  KINGFISHER COUNTY 3.0 E LOYAL [35.97, -98.07]  08/20/09 05:05 CST  0 Hail (1.75 in)					
08/20/09 04:10 CST 0 Thunderstorm Wind (EG 52 kt) 08/20/09 04:10 CST 0 Source: Amateur Radio  No damage was reported with the wind gust.  MAJOR COUNTY 6.0 WSW FAIRVIEW [36.24, -98.58] 08/20/09 04:10 CST 0 Hail (0.88 in) 08/20/09 04:10 CST 0 Source: Public  BLAINE COUNTY OKEENE [36.12, -98.32] 08/20/09 04:30 CST 0 Hail (0.75 in) 08/20/09 04:30 CST 0 Source: COOP Observer  KINGFISHER COUNTY 3.0 E LOYAL [35.97, -98.07] 08/20/09 05:05 CST 0 Hail (1.75 in)		08/20/09 03:15 CST		0	Source: Public
08/20/09 04:10 CST 0 Source: Amateur Radio  No damage was reported with the wind gust.  MAJOR COUNTY 6.0 WSW FAIRVIEW [36.24, -98.58] 08/20/09 04:10 CST 0 Hail (0.88 in) 08/20/09 04:10 CST 0 Source: Public  BLAINE COUNTY OKEENE [36.12, -98.32] 08/20/09 04:30 CST 0 Hail (0.75 in) 08/20/09 04:30 CST 0 Source: COOP Observer  KINGFISHER COUNTY 3.0 E LOYAL [35.97, -98.07] 08/20/09 05:05 CST 0 Hail (1.75 in)	DEWEY COUNTY 1.0 N HUCMAC [36.07, -9	8.79]			
No damage was reported with the wind gust.  MAJOR COUNTY 6.0 WSW FAIRVIEW [36.24, -98.58]  08/20/09 04:10 CST 0 Hail (0.88 in) 08/20/09 04:10 CST 0 Source: Public  BLAINE COUNTY OKEENE [36.12, -98.32]  08/20/09 04:30 CST 0 Hail (0.75 in) 08/20/09 04:30 CST 0 Source: COOP Observer  KINGFISHER COUNTY 3.0 E LOYAL [35.97, -98.07] 08/20/09 05:05 CST 0 Hail (1.75 in)		08/20/09 04:10 CST		0	Thunderstorm Wind (EG 52 kt)
MAJOR COUNTY 6.0 WSW FAIRVIEW [36.24, -98.58]  08/20/09 04:10 CST 0 Hail (0.88 in) 08/20/09 04:10 CST 0 Source: Public  BLAINE COUNTY OKEENE [36.12, -98.32]  08/20/09 04:30 CST 0 Hail (0.75 in) 08/20/09 04:30 CST 0 Source: COOP Observer  KINGFISHER COUNTY 3.0 E LOYAL [35.97, -98.07] 08/20/09 05:05 CST 0 Hail (1.75 in)		08/20/09 04:10 CST		0	Source: Amateur Radio
08/20/09 04:10 CST 0 Hail (0.88 in) 08/20/09 04:10 CST 0 Source: Public  BLAINE COUNTY OKEENE [36.12, -98.32]  08/20/09 04:30 CST 0 Hail (0.75 in) 08/20/09 04:30 CST 0 Source: COOP Observer  KINGFISHER COUNTY 3.0 E LOYAL [35.97, -98.07] 08/20/09 05:05 CST 0 Hail (1.75 in)	No damage was reported with the wind gust.				
08/20/09 04:10 CST 0 Source: Public  BLAINE COUNTY OKEENE [36.12, -98.32]  08/20/09 04:30 CST 0 Hail (0.75 in) 08/20/09 04:30 CST 0 Source: COOP Observer  KINGFISHER COUNTY 3.0 E LOYAL [35.97, -98.07] 08/20/09 05:05 CST 0 Hail (1.75 in)	MAJOR COUNTY 6.0 WSW FAIRVIEW [36.2	24, -98.58]			
BLAINE COUNTY OKEENE [36.12, -98.32]  08/20/09 04:30 CST 0 Hail (0.75 in) 08/20/09 04:30 CST 0 Source: COOP Observer  KINGFISHER COUNTY 3.0 E LOYAL [35.97, -98.07] 08/20/09 05:05 CST 0 Hail (1.75 in)		08/20/09 04:10 CST		0	Hail (0.88 in)
08/20/09 04:30 CST 0 Hail (0.75 in) 08/20/09 04:30 CST 0 Source: COOP Observer  KINGFISHER COUNTY 3.0 E LOYAL [35.97, -98.07] 08/20/09 05:05 CST 0 Hail (1.75 in)		08/20/09 04:10 CST		0	Source: Public
08/20/09 04:30 CST 0 Source: COOP Observer  KINGFISHER COUNTY 3.0 E LOYAL [35.97, -98.07] 08/20/09 05:05 CST 0 Hail (1.75 in)	BLAINE COUNTY OKEENE [36.12, -98.32]				
KINGFISHER COUNTY 3.0 E LOYAL [35.97, -98.07] 08/20/09 05:05 CST 0 Hail (1.75 in)		08/20/09 04:30 CST		0	Hail (0.75 in)
08/20/09 05:05 CST 0 Hail (1.75 in)		08/20/09 04:30 CST		0	Source: COOP Observer
	KINGFISHER COUNTY 3.0 E LOYAL [35.97	, -98.07]			
08/20/09 05:05 CST 0 Source: Public		08/20/09 05:05 CST		0	Hail (1.75 in)
		08/20/09 05:05 CST		0	Source: Public

An outflow boundary generated by thunderstorms earlier in the day, moved slowly north through central into northern Oklahoma. At the same time, a strong cold front moved south through Kansas, eventually moving into Oklahoma during the late evening hours. A strong cap was in place through much of the afternoon, but thunderstorms were eventually able to develop over northwest Oklahoma by early evening. Additional thunderstorms developed near this area and moved east through northern central Oklahoma. With the help of a strengthening low-level jet, even more thunderstorms developed into central Oklahoma by late evening into the early morning hours. Most of the activity moved into eastern Oklahoma, but redevelopment further west continued until close to sunrise as the front moved southeast into a very unstable airmass. Most of the thunderstorms produced large hail, with sporadic areas of strong winds. Minor damage was reported with the large hail and winds.

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Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
[34.28, -96.88]			
			Hail (1.25 in)
08/20/09 14:05 CST		0	Source: Trained Spotter
		=	
08/26/09 15:55 CST		0	Hail (1.75 in)
08/26/09 15:55 CST		0	Source: Fire Department/Rescue
08/26/09 16:00 CST		0	Hail (2.00 in)
08/26/09 16:00 CST		0	Source: Broadcast Media
65, -97.92]			
08/26/09 16:10 CST		2K	Thunderstorm Wind (EG 56 kt)
08/26/09 16:12 CST		0	Source: Amateur Radio
ak Area. Monetary damages were	e estimated.		
7.96]			
			Thunderstorm Wind (EG 56 kt)
08/26/09 16:12 CST		0	Source: Amateur Radio
vere downed throughout the time	. Monetary damag	es were estimated.	
-99.64]			
			Thunderstorm Wind (EG 56 kt)
08/26/09 16:49 CST		0	Source: Emergency Manager
exit 20 on Interstate 40. Monetary	y damages were e	estimated.	
5.73, -98.12]			
08/26/09 17:30 CST		0	Thunderstorm Wind (EG 56 kt)
08/26/09 17:30 CST		0	Source: Trained Spotter
PLAINS LAKE DAM [36.74, -98.23	3]		
08/26/09 17:50 CST		0	Hail (1.00 in)
08/26/09 17:50 CST		0	Source: Public
29, -99.01]			
		0	Hail (1.50 in)
08/26/09 18:00 CST		0	Source: Fire Department/Rescue
[36.48, -97.92]			
08/26/09 18:11 CST		0	Hail (1.00 in)
08/26/09 18:11 CST		0	Source: Emergency Manager
	[34.28, -96.88]	[34.28, -96.88]	194.28, -96.88    08/20/09 14:05 CST

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	08/26/09 18:20 CST		15K	Thunderstorm Wind (EG 61 kt)
	08/26/09 18:22 CST		0	Source: Emergency Manager
A roof was blown off of a house. Monetary dama	ges were estimated.			
GRANT COUNTY 1.0 SW MEDFORD [36.80,	<del>-</del>			Thursday Law Wind (MO 55 L)
	08/26/09 19:00 CST 08/26/09 19:00 CST		0	Thunderstorm Wind (MG 55 kt) Source: Mesonet
	08/26/09 19:00 CS1		0	Source: Mesonet
GARFIELD COUNTY 6.0 SSW DRUMMOND	<del>-</del>			
	08/26/09 19:26 CST		0	Hail (1.75 in)
	08/26/09 19:26 CST		0	Source: Public
LOGAN COUNTY 1.0 SE MULHALL [36.05, -	97.39]			
	08/26/09 20:00 CST		0	Thunderstorm Wind (EG 52 kt)
	08/26/09 20:00 CST		0	Source: COOP Observer
No damage was reported with the wind gust.				
GRADY COUNTY 2.0 SSW MINCO [35.28, -9	7.95]			
	08/26/09 20:05 CST		0	Thunderstorm Wind (MG 56 kt)
	08/26/09 20:05 CST		0	Source: Mesonet
MCCLAIN COUNTY NEWCASTLE [35.25, -97	7.601			
METERICE (00:20, 0)	08/26/09 21:00 CST		0	Thunderstorm Wind (EG 52 kt)
	08/26/09 21:00 CST		0	Source: Public
No damage was reported with the wind gust.				
MCCLAIN COUNTY 5.0 SSE NEWCASTLE [3				T
	08/26/09 21:06 CST		0	Thunderstorm Wind (EG 56 kt)
	08/26/09 21:06 CST		0	Source: Trained Spotter
The wind gust was reported near Highway 9 and	May Avenue.			
CLEVELAND COUNTY 1.0 W MOORE [35.34	·         =			
	08/26/09 21:10 CST		0	Thunderstorm Wind (EG 52 kt)
	08/26/09 21:10 CST		0	Source: Public
No damage was reported with the wind gust.				
CLEVELAND COUNTY 1.5 SE NORMAN [35.				
	08/26/09 21:25 CST		0	Thunderstorm Wind (MG 51 kt)
	08/26/09 21:25 CST		0	Source: Trained Spotter
CADDO COUNTY 5.0 S CARNEGIE [35.03, -5	98.60]			
•	08/26/09 22:00 CST		0	Hail (1.00 in)
	08/26/09 22:00 CST		0	Source: Public
POTTAWATOMIE COUNTY 5.0 S MACOMB	[35.08, -97.01]			
	08/26/09 22:20 CST		5K	Thunderstorm Wind (EG 56 kt)
	08/26/09 22:22 CST		0	Source: Post Office
Up to 18-inch tree limbs were blown down. Mone	etary damages were estimated.			
CADDO COUNTY 4.0 NNW FT COBB [35.15,	-98.47]			
	08/26/09 22:30 CST		0	Thunderstorm Wind (MG 66 kt)
	08/26/09 22:35 CST		0	Source: Mesonet
Another wind gust of 61 mph was measured at 2	2330 CDT.			

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
CADDO COUNTY 4.0 SSE WASHITA	A [35.04, -98.32]			
	08/26/09 22:50 CST		0	Hail (1.00 in)
	08/26/09 22:50 CST		0	Source: Emergency Manager
The hail was reported by the Caddo Na	tion emergency manager at Highway 9	and county road 2	620.	
GRADY COUNTY 3.7 ENE NORGE [	35.01, -97.94]			
	08/26/09 23:15 CST		0	Thunderstorm Wind (MG 63 kt)
	08/26/09 23:15 CST		0	Source: Mesonet

Thunderstorms developed during heating of the afternoon over parts of Southern Oklahoma. Temperatures reached into the 90s, making temperature-dew point spreads on the order of 30-40 degrees. Instability was minimal, but a few thunderstorms were able to produce very strong winds, causing some minor damage in Stephens county.

At the same time, numerous thunderstorms developed ahead of a cold front that moved into northwest Oklahoma during the afternoon hours of the 26th. These thunderstorms developed through the evening hours, with the aid of convergence along the front, and lift associated with an upper level storm system moving through the central plains. The thunderstorms formed into several complexes due to the presence of numerous outflow boundaries. Surface moisture and instability along and just behind the front were sufficient for the thunderstorms to become severe. The thunderstorms moved off to the east with strong winds and large hail reported. A landspout developed over southwest Kingfisher county, remaining nearly stationary for over 10 minutes. No damage was reported with the landspout.

EXAS, Western North				
CLAY COUNTY HENRIETTA [33.82, -98.19]				
	08/05/09 17:58 CST	0	Hail (0.88 in)	
	08/05/09 17:58 CST	0	Source: Emergency Manager	
CLAY COUNTY 2.0 SE HENRIETTA [33.80, -98	3.17]			
	08/05/09 18:04 CST	0	Hail (0.88 in)	
	08/05/09 18:04 CST	0	Source: Emergency Manager	
CLAY COUNTY 1.0 S HENRIETTA [33.81, -98.	19]			
	08/05/09 18:12 CST	0	Hail (1.00 in)	
	08/05/09 18:12 CST	0	Source: Emergency Manager	
CLAY COUNTY 1.0 S HENRIETTA [33.81, -98.	19]			
	08/05/09 18:15 CST	5K	Thunderstorm Wind (EG 56 kt)	
	08/05/09 18:15 CST	0	Source: Emergency Manager	
A large sign and tree limbs were blown down. Qua	arter-size hail was also reported at th	is locations. Monetary da	mages were estimated.	
WICHITA COUNTY 3.0 E KAMAY [33.86, -98.7	6]			
	08/05/09 18:35 CST	0	Hail (1.75 in)	
	08/05/09 18:35 CST	0	Source: Trained Spotter	
BAYLOR COUNTY SEYMOUR [33.59, -99.26]				
	08/05/09 19:45 CST	0	Thunderstorm Wind (EG 56 kt)	
	08/05/09 19:45 CST	0	Source: Newspaper	

Several tree limbs were downed, with some of them falling on power lines. A large cottonwood tree was blown down on top of a house, causing damage to the roof. A non-anchored, large culvert was also blown down on top of a fence. Very little rain occurred with the thunderstorm. Monetary damage estimates were not available.

An outflow boundary moved south into southern Oklahoma, with thunderstorms developed along and ahead of it. The thunderstorms moved south into parts of northern Texas by early evening. Severe weather was reported over parts of Clay, Baylor, and Wichita counties, mainly in the form large hail, although some high winds were reported west of Henrietta and in Seymour.

BAYLOR COUNTY --- SEYMOUR [33.59, -99.26]

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	08/05/09 19:45 CST		0	Thunderstorm Wind (EG 56 kt)
	08/05/09 19:47 CST		0	Source: Newspaper

Several tree limbs were downed, with some of them falling on power lines. A large cottonwood tree was blown down on top of a house, causing damage to the roof. A non-anchored, large culvert was also blown down on top of a fence. Very little rain occurred with the thunderstorm. Monetary damage estimates were not available.

Strong to severe thunderstorms developed over Oklahoma and moved south into parts of northern Texas. The thunderstorms weakened as they moved south during the early to mid evening hours, but a thunderstorm near Seymour produced localized wind data, causing some damage before the thunderstorm dissipated.

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