

Storm Data and Unusual Weather Phenomena - May 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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OKLAHOMA, Western, Central and Southeast

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

	05/01/14 00:00 CST		0	Drought
	05/31/14 23:59 CST		0	

Despite several rounds of shower and thunderstorm activity, rain was fairly sparse through the month. A bout of very warm temperatures through the first half of the month allowed for substantial surface drying and drought conditions worsened across all of Oklahoma.

(OK-Z010) WOODWARD, (OK-Z019) LOGAN

	05/04/14 15:30 CST	1	0	Wildfire
	05/08/14 08:00 CST	2	0	

Direct Fatalities: M56PH

Unseasonably hot and dry conditions combined with strong and gusty southwest winds created an environment ripe for wildfires across much of Oklahoma. At least two large fires occurred the first week in May. The largest fire was near Guthrie, where numerous structures burned, and another fire near Woodward caused several injuries.

TILLMAN COUNTY --- GRANDFIELD [34.23, -98.69]

	05/07/14 15:21 CST		0	Hail (1.75 in)
	05/07/14 15:21 CST		0	Source: Trained Spotter

TILLMAN COUNTY --- GRANDFIELD [34.23, -98.69]

	05/07/14 15:22 CST		0	Hail (1.00 in)
	05/07/14 15:22 CST		0	Source: Trained Spotter

TILLMAN COUNTY --- LOVELAND [34.30, -98.77]

	05/07/14 15:25 CST		0	Thunderstorm Wind (EG 52 kt)
	05/07/14 15:25 CST		0	Source: Public

Large tree limbs downed and shingles removed from the roof of one residence.

TILLMAN COUNTY --- 1.1 E GRANDFIELD [34.23, -98.67]

	05/07/14 15:28 CST		0	Hail (1.75 in)
	05/07/14 15:28 CST		0	Source: Trained Spotter

COMANCHE COUNTY --- 0.7 N INDIAHOMA [34.63, -98.75]

	05/07/14 15:35 CST		0	Hail (2.25 in)
	05/07/14 15:35 CST		0	Source: Trained Spotter

No damage was reported.

TILLMAN COUNTY --- 6.2 NE LOVELAND [34.36, -98.69]

	05/07/14 15:37 CST		0	Hail (2.50 in)
	05/07/14 15:37 CST		0	Source: Trained Spotter

No damage was reported.

COMANCHE COUNTY --- 5.7 NW GERONIMO [34.53, -98.46]

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/07/14 15:38 CST		0	Hail (1.75 in)
	05/07/14 15:38 CST		0	Source: Amateur Radio
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TILLMAN COUNTY --- 8.6 NE LOVELAND [34.40, -98.68]				
	05/07/14 15:38 CST		0	Hail (2.50 in)
	05/07/14 15:38 CST		0	Source: Trained Spotter
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No damage was reported.				
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CADDO COUNTY --- 0.7 S CARNEGIE [35.09, -98.60]				
	05/07/14 16:11 CST		0	Hail (1.00 in)
	05/07/14 16:11 CST		0	Source: Emergency Manager
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CUSTER COUNTY --- 1.8 SE CUSTER CITY [35.64, -98.86]				
	05/07/14 16:33 CST		0	Hail (1.75 in)
	05/07/14 16:33 CST		0	Source: Public
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CUSTER COUNTY --- 3.5 SE CUSTER CITY [35.63, -98.83]				
	05/07/14 16:33 CST		0	Hail (1.75 in)
	05/07/14 16:33 CST		0	Source: Trained Spotter
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KIOWA COUNTY --- ROOSEVELT [34.85, -99.02]				
	05/07/14 17:00 CST		0	Hail (1.00 in)
	05/07/14 17:00 CST		0	Source: Amateur Radio
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TILLMAN COUNTY --- LOVELAND [34.30, -98.77]				
	05/07/14 17:39 CST		0	Hail (1.50 in)
	05/07/14 17:39 CST		0	Source: Public
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TILLMAN COUNTY --- 2.9 W GRANDFIELD [34.23, -98.74]				
	05/07/14 17:40 CST		0	Thunderstorm Wind (MG 56 kt)
	05/07/14 17:40 CST		0	Source: Mesonet
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COTTON COUNTY --- 13.6 NNW DEVOL [34.38, -98.65]				
	05/07/14 17:46 CST		0	Hail (1.00 in)
	05/07/14 17:46 CST		0	Source: Amateur Radio
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COMANCHE COUNTY --- 2.7 NNE WICHITA MTNS NWR HQ [34.77, -98.70], 3.8 NNE WICHITA MTNS NWR HQ [34.78, -98.69]				
	05/07/14 18:06 CST		0	Tornado (EF0, L: 1.50 mi , W: 400 yd)
	05/07/14 18:09 CST		0	Source: Other Federal Agency
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Employees of the Wichita Mountain National Wildlife Refuge observed this tornado in the north part of the refuge. A ground survey by the refuge deputy manager indicated that the tornado developed southwest of Moko Mountain and initially moved northeast toward the 2,288 foot peak. The tornado then turned north-northwest moving down the north slope of Moko Mountain. Numerous trees were snapped and uprooted along the path.				
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HARMON COUNTY --- 2.3 E VINSON [34.90, -99.82]				
	05/07/14 18:18 CST		0	Hail (1.00 in)
	05/07/14 18:18 CST		0	Source: Public
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COTTON COUNTY --- 1.1 W TAYLOR [34.17, -98.35]				
	05/07/14 18:41 CST		0	Hail (2.25 in)
	05/07/14 18:41 CST		0	Source: Trained Spotter
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No damage was reported.				
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COTTON COUNTY --- 5.7 E TAYLOR [34.17, -98.23]				
	05/07/14 18:41 CST		0	Hail (1.00 in)
	05/07/14 18:41 CST		0	Source: Amateur Radio

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
JEFFERSON COUNTY --- HASTINGS [34.23, -98.11]				
	05/07/14 19:16 CST	0		Hail (1.00 in)
	05/07/14 19:16 CST	0		Source: Amateur Radio
JEFFERSON COUNTY --- HASTINGS [34.23, -98.11]				
	05/07/14 19:16 CST	0		Thunderstorm Wind (EG 56 kt)
	05/07/14 19:16 CST	0		Source: Amateur Radio
Several trees and power lines downed.				
STEPHENS COUNTY --- 5.0 SSE CORUM [34.29, -98.08]				
	05/07/14 19:18 CST	0		Hail (1.75 in)
	05/07/14 19:18 CST	0		Source: Public
JEFFERSON COUNTY --- ADDINGTON [34.24, -97.97]				
	05/07/14 19:30 CST	0		Hail (1.75 in)
	05/07/14 19:30 CST	0		Source: Amateur Radio
JEFFERSON COUNTY --- ADDINGTON [34.24, -97.97]				
	05/07/14 19:30 CST	0		Thunderstorm Wind (EG 56 kt)
	05/07/14 19:30 CST	0		Source: Amateur Radio
Several power lines were blown down.				
JEFFERSON COUNTY --- 0.9 SW ADDINGTON [34.23, -97.98]				
	05/07/14 19:33 CST	0		Hail (2.75 in)
	05/07/14 19:33 CST	0		Source: Trained Spotter
Substantial damage to several vehicles occurred. Car windows were shattered by baseball and larger sized hail.				
STEPHENS COUNTY --- 1.8 SW DUNCAN [34.48, -97.98]				
	05/07/14 19:57 CST	0		Hail (1.75 in)
	05/07/14 19:57 CST	0		Source: Amateur Radio
STEPHENS COUNTY --- 0.7 S DUNCAN [34.49, -97.96]				
	05/07/14 20:02 CST	0		Hail (1.00 in)
	05/07/14 20:02 CST	0		Source: Amateur Radio
STEPHENS COUNTY --- 0.7 S DUNCAN [34.49, -97.96]				
	05/07/14 20:04 CST	0		Hail (1.75 in)
	05/07/14 20:04 CST	0		Source: Amateur Radio
STEPHENS COUNTY --- DUNCAN [34.50, -97.96]				
	05/07/14 20:08 CST	0		Hail (1.75 in)
	05/07/14 20:08 CST	0		Source: Amateur Radio
CADDO COUNTY --- 2.3 E ALFALFA [35.22, -98.57]				
	05/07/14 20:48 CST	0		Hail (1.00 in)
	05/07/14 20:48 CST	0		Source: Amateur Radio
CADDO COUNTY --- 3.2 NNW FT COBB RES DAM [35.20, -98.48]				
	05/07/14 20:50 CST	0		Thunderstorm Wind (MG 62 kt)
	05/07/14 20:50 CST	0		Source: Amateur Radio
Measured on the northeast side of the reservoir.				
CADDO COUNTY --- 5.1 W ALBERT [35.23, -98.50]				

Storm Data and Unusual Weather Phenomena - May 2014

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	05/07/14 20:53 CST		0	Hail (1.25 in)
	05/07/14 20:53 CST		0	Source: Amateur Radio
The hail was reported at the intersection of county street 2520 and county road 1230.				
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CADDO COUNTY --- 5.1 W ALBERT [35.24, -98.50]				
	05/07/14 20:53 CST		0	Thunderstorm Wind (EG 70 kt)
	05/07/14 20:53 CST		0	Source: Amateur Radio
West facing windows were blown out by hail and high winds.				
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CADDO COUNTY --- 5.6 SSE EAKLY [35.24, -98.51]				
	05/07/14 20:53 CST		0	Hail (1.75 in)
	05/07/14 20:53 CST		0	Source: Amateur Radio
The hail was reported at county road 1220 and county street 2510.				
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CADDO COUNTY --- 3.6 NNW ALBERT [35.28, -98.43]				
	05/07/14 20:56 CST		0	Thunderstorm Wind (EG 70 kt)
	05/07/14 20:56 CST		0	Source: Amateur Radio
Home and car windows blown out by hail and wind.				
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CADDO COUNTY --- GRACEMONT [35.19, -98.26]				
	05/07/14 21:25 CST		0	Thunderstorm Wind (EG 61 kt)
	05/07/14 21:25 CST		0	Source: Amateur Radio
Several large trees were downed blocking area roads.				
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CADDO COUNTY --- ALBERT [35.23, -98.41]				
	05/07/14 21:45 CST		0	Hail (1.00 in)
	05/07/14 21:45 CST		0	Source: Amateur Radio
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CADDO COUNTY --- ALBERT [35.23, -98.41]				
	05/07/14 21:50 CST		0	Hail (1.75 in)
	05/07/14 21:50 CST		0	Source: Amateur Radio
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COMANCHE COUNTY --- MEDICINE PARK [34.73, -98.50]				
	05/07/14 22:05 CST		0	Hail (1.00 in)
	05/07/14 22:05 CST		0	Source: Public
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OKLAHOMA COUNTY --- (OKC)WILL ROGERS APT [35.39, -97.60]				
	05/07/14 22:45 CST		0	Hail (1.75 in)
	05/07/14 22:45 CST		0	Source: Public
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CLEVELAND COUNTY --- 4.4 NW MOORE [35.38, -97.55]				
	05/07/14 23:21 CST		0	Thunderstorm Wind (EG 61 kt)
	05/07/14 23:21 CST		0	Source: Trained Spotter
Trees blown down along 92nd street between May and Pennsylvania avenues.				
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OKLAHOMA COUNTY --- 3.2 WSW VALLEY BROOK [35.38, -97.53], 2.6 WSW VALLEY BROOK [35.38, -97.52], 2.9 SW VALLEY BROOK [35.37, -97.52], 3.4 WSW VALLEY BROOK [35.37, -97.53]				
	05/07/14 23:50 CST		0	Flash Flood (due to Heavy Rain)
	05/07/14 23:50 CST		0	Source: Trained Spotter

Up to two feet of water made roads impassable near southwest 89th street between Western and Walker avenues. No damage was reported.

A large upper level trough became established over the western U.S. bringing strong southwest flow across the Southern Plains. At the surface, a north to south oriented dryline became well established across western Oklahoma. This dryline served as a focus for several rounds of supercell thunderstorms. Sporadic severe wind and hail occurred, along with a couple of brief tornadoes.

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
HARPER COUNTY --- 1.1 E MAY [36.62, -99.73]				
	05/11/14 20:20 CST		0	Hail (1.00 in)
	05/11/14 20:20 CST		0	Source: Emergency Manager

No damage was reported.

A cold front and dryline became positioned across far southwestern Kansas during the afternoon hours. Several severe storms developed in this vicinity and move east and southeast, eventually reaching northwestern Oklahoma. Storms quickly weakened as they moved southeastward into interior parts of Oklahoma.

OKLAHOMA COUNTY --- (OKC)WILL ROGERS APT [35.39, -97.60]				
	05/24/14 17:03 CST		2K	Thunderstorm Wind (EG 56 kt)
	05/24/14 17:03 CST		0	Source: Fire Department/Rescue

At least three power lines were downed on the southwest side of Oklahoma City near Will Rogers World Airport.

OKLAHOMA COUNTY --- 2.3 E CHOCTAW [35.49, -97.23]				
	05/24/14 17:52 CST		0	Thunderstorm Wind (EG 56 kt)
	05/24/14 17:52 CST		0	Source: Fire Department/Rescue

Several downed power lines were reported near 1900 Donnell Street in northeast Oklahoma City.

Despite rather weak surface flow, isolated thunderstorms developed during the late afternoon hours along a weak surface trough stretched from southwest to northeast across central Oklahoma. A few storms developed along this feature and with modest southwesterly flow aloft, became briefly severe.

TILLMAN COUNTY --- 2.9 W GRANDFIELD [34.23, -98.74]				
	05/26/14 20:35 CST		0	Thunderstorm Wind (MG 52 kt)
	05/26/14 20:35 CST		0	Source: Mesonet

A large upper trough became cut off from the flow across the Southern High Plains. This brought favorable wind shear over much of southern and western Oklahoma, but due to widespread cloud cover, instability was marginal. Still, at least one severe thunderstorm occurred during the late afternoon with optimal heating.

JEFFERSON COUNTY --- 5.0 W RINGLING [34.18, -97.68]				
	05/27/14 12:55 CST		0	Tornado (EF0, L: 0.10 mi , W: 30 yd)
	05/27/14 12:55 CST		0	Source: Public

A photo was taken of a tornado west of Ringling and sent to KSWO TV . The location and the time of the tornado were estimated. No known damage occurred.

COMANCHE COUNTY --- 6.2 NE FAXON [34.51, -98.49], 6.1 NE FAXON [34.51, -98.49]				
	05/27/14 13:00 CST		0	Tornado (EF0, L: 0.12 mi , W: 50 yd)
	05/27/14 13:02 CST		0	Source: Broadcast Media

A brief tornado developed near Faxon. Very minor damage occurred to patio furniture and small outbuildings. Damage information provided by KSWO.

A cutoff upper level low meandered into central Oklahoma during the afternoon hours. This feature brought moderate wind shear into the region, along with substantial directional shear. This combined with appreciable instability and abundant moisture led to the formation of numerous thunderstorms across southern and central Oklahoma. Two brief tornadoes were observed near the center of the upper low across southwestern Oklahoma. Several other funnel clouds were also reported.

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				
	05/01/14 00:00 CST		0	Drought
	05/31/14 23:59 CST		0	

Several rounds of shower and thunderstorm activity occurred throughout the month, but much of this activity occurred to the east of the worst drought conditions. Therefore, drought conditions persisted across all of western north Texas through the month.

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BAYLOR COUNTY --- WESTOVER [33.50, -99.01]				
	05/07/14 14:20 CST	0		Hail (1.25 in)
	05/07/14 14:20 CST	0		Source: Public
WICHITA COUNTY --- KAMAY [33.86, -98.81]				
	05/07/14 14:51 CST	0		Hail (1.00 in)
	05/07/14 14:51 CST	0		Source: Fire Department/Rescue
WICHITA COUNTY --- 3.5 N KAMAY [33.91, -98.82]				
	05/07/14 14:55 CST	0		Hail (1.75 in)
	05/07/14 14:55 CST	0		Source: Trained Spotter
WICHITA COUNTY --- KAMAY [33.86, -98.81]				
	05/07/14 14:55 CST	0		Hail (1.00 in)
	05/07/14 14:55 CST	0		Source: Public
WICHITA COUNTY --- 9.2 W BURKBURNETT [34.09, -98.72]				
	05/07/14 15:14 CST	0		Hail (1.75 in)
	05/07/14 15:14 CST	0		Source: Fire Department/Rescue
WICHITA COUNTY --- 9.2 W BURKBURNETT [34.09, -98.72]				
	05/07/14 15:14 CST	0		Thunderstorm Wind (EG 61 kt)
	05/07/14 15:14 CST	0		Source: Fire Department/Rescue
Fire department officials estimated wind gusts to 70 mph, though no damage information was relayed.				
BAYLOR COUNTY --- WESTOVER [33.50, -99.01]				
	05/07/14 15:30 CST	0		Hail (1.75 in)
	05/07/14 15:30 CST	0		Source: Public
ARCHER COUNTY --- 4.2 S LAKESIDE CITY [33.77, -98.55]				
	05/07/14 16:25 CST	0		Hail (1.00 in)
	05/07/14 16:25 CST	0		Source: Public
ARCHER COUNTY --- 6.9 N SCOTLAND [33.76, -98.46]				
	05/07/14 16:31 CST	0		Hail (1.75 in)
	05/07/14 16:31 CST	0		Source: Storm Chaser
CLAY COUNTY --- 2.1 N HENRIETTA [33.85, -98.19]				
	05/07/14 17:11 CST	0		Hail (1.00 in)
	05/07/14 17:11 CST	0		Source: Amateur Radio
CLAY COUNTY --- HENRIETTA [33.82, -98.19]				
	05/07/14 17:12 CST	0		Hail (1.00 in)
	05/07/14 17:12 CST	0		Source: Amateur Radio
CLAY COUNTY --- 2.3 E JOLLY [33.87, -98.31]				
	05/07/14 17:13 CST	0		Hail (2.75 in)
	05/07/14 17:13 CST	0		Source: Amateur Radio
No damage was reported.				
CLAY COUNTY --- 1.3 ENE JOLLY [33.88, -98.33]				
	05/07/14 17:25 CST	0		Hail (2.50 in)
	05/07/14 17:25 CST	0		Source: Storm Chaser
No damage was reported.				

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CLAY COUNTY --- JOLLY [33.87, -98.35]				
	05/07/14 17:25 CST		0	Hail (1.25 in)
	05/07/14 17:25 CST		0	Source: Public

WICHITA COUNTY --- 4.6 SSW BURKBURNETT [34.03, -98.60]				
	05/07/14 18:03 CST		0	Tornado (EF0, L: 0.20 mi , W: 75 yd)
	05/07/14 18:04 CST		0	Source: Trained Spotter

Storm spotters and chasers observed a brief tornado southwest of Burkburnett. No damage is known to have occurred and the location of the tornado is estimated.

A large upper level trough became established over the western U.S. bringing strong southwest flow across the Southern Plains. At the surface, a north to south oriented dryline became well established across western north Texas. This dryline served as a focus for several rounds of supercell thunderstorms. Sporadic severe wind and hail occurred, along with a couple of brief tornadoes.

FOARD COUNTY --- CROWELL [33.98, -99.72]				
	05/26/14 18:45 CST		0	Thunderstorm Wind (EG 61 kt)
	05/26/14 18:45 CST		0	Source: Fire Department/Rescue

Several power lines and a wind generator were damaged near Crowell. Time estimated from radar.

WILBARGER COUNTY --- 4.9 SE HARROLD [34.03, -98.97]				
	05/26/14 20:40 CST		1K	Thunderstorm Wind (EG 52 kt)
	05/26/14 20:40 CST		0	Source: Public

One power line was downed.

A large upper trough became cut off from the flow across the Southern High Plains. This brought favorable wind shear over much of western north Texas, but due to widespread cloud cover, instability was marginal. Still, at least one severe thunderstorm occurred during the late afternoon with optimal heating.