



National Weather Service

Storm Data and Unusual Weather Phenomena



May 1999

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<u>OKLAHOMA, Western, Central and Southeast</u>									
Comanche County									
Lawton	03	1520CST			0	0			Hail (1.00)
Comanche County									
Ft Sill Aaf	03	1535CST 1537CST			0	0			Hail (1.75)
									Hail was reported near Fort Sill and Interstate 44.
Comanche County									
5 N Lawton	03	1535CST			0	0			Hail (1.75)
Comanche County									
Medicine Park	03	1538CST			0	0			Hail (1.75)
Comanche County									
7 ENE Medicine Park	03	1551CST 1552CST	0.5	25	0	0	0		Tornado (F0)
									Tornado A1. See summary at end of May 3rd storm reports.
Comanche County									
Porter Hill	03	1552CST			0	0			Hail (1.75)
Caddo County									
2.5 S Anadarko	03	1554CST			0	0			Hail (0.75)
Comanche County									
3 W Elgin	03	1555CST	0.1	25	0	0	0		Tornado (F0)
									Tornado A2. See summary at end of May 3rd storm reports.
Comanche County									
Lake Ellsworth	03	1555CST			0	0			Hail (1.00)
Jackson County									
Altus	03	1555CST			0	0			Hail (0.88)
Caddo County									
4 S Anadarko	03	1556CST			0	0			Hail (1.00)
Caddo County									
2 S Apache	03	1557CST			0	0			Hail (1.75)
Comanche County									
Lake Ellsworth	03	1557CST			0	0			Hail (1.75)
Caddo County									
Anadarko	03	1558CST			0	0			Hail (0.75)
Comanche County									
4 W Elgin	03	1558CST			0	0			Hail (2.00)
Caddo County									
2 W Cyril	03	1605CST			0	0			Hail (1.00)
Jackson County									
2 S Altus	03	1605CST			0	0			Hail (1.00)
Caddo County									
2 W Cyril	03	1611CST			0	0			Hail (1.75)
Jackson County									
5 N Altus	03	1613CST			0	0	800K		Hail (4.50)
Jackson County									
3 N Altus	03	1613CST			0	0	2K		Thunderstorm Wind
Jackson County									
1 E Blair	03	1615CST			0	0	0.50K		Thunderstorm Wind



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OKLAHOMA, Western, Central and Southeast									
Caddo County 3 E Apache to 2 NE Stecker	03	1620CST 1635CST	6	100	0	3	50K		Tornado (F3)
									Tornado A3. See summary at end of May 3rd storm reports.
Caddo County 4 S Anadarko	03	1623CST 1632CST			0	0			Hail (1.75)
Caddo County 3 NW Cyril	03	1626CST	0.1	25	0	0	0		Tornado (F0)
									Tornado A4. See summary at end of May 3rd storm reports.
Kiowa County Hobart	03	1626CST			0	0			Hail (0.88)
Kiowa County 3 S Roosevelt	03	1636CST	0.1	25	0	0	0		Tornado (F0)
									Tornado B1. See summary at end of May 3rd storm reports.
Caddo County 2 S Anadarko	03	1638CST	0.1	25	0	0	0		Tornado (F0)
									Tornado A5. See summary at end of May 3rd storm reports.
Custer County 1 N Clinton	03	1643CST			0	0			Hail (0.88)
Caddo County 3 NNE Cement to 5 NE Cement	03	1646CST 1652CST	2	880	0	0	75K		Tornado (F2)
									Tornado A6 (Caddo County portion). See summary at end of May 3rd storm reports.
Kiowa County 3 E Cooperton	03	1650CST			0	0			Hail (0.88)
Grady County Lavery to 2.5 WNW Chickasha	03	1652CST 1710CST	7	880	0	4	75K		Tornado (F3)
									Tornado A6 (Grady County portion). See summary at end of May 3rd storm reports.
Blaine County Geary	03	1700CST			0	0			Hail (0.88)
Grady County 5 W Chickasha	03	1707CST 1708CST	1	75	0	0	0		Tornado (F0)
									Tornado A7. See summary at end of May 3rd storm reports.
Grady County 2 W Chickasha	03	1709CST			0	0			Hail (1.75)
Grady County 2.5 NW Chickasha to 4 NNE Chickasha	03	1712CST 1721CST	4	500	0	4	500K		Tornado (F2)
									Tornado A8. See summary at end of May 3rd storm reports.
Caddo County 12 WNW Apache	03	1720CST 1724CST	2	25	0	0	0		Tornado (F0)
									Tornado B2. See summary at end of May 3rd storm reports.
Custer County Weatherford	03	1720CST			0	0	10K		Hail (2.75)
Custer County Weatherford	03	1720CST			0	0	50K		Thunderstorm Wind



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OKLAHOMA, Western, Central and Southeast

Grady County									
5 S Minco	03	1724CST			0	0			Hail (4.50)
Grady County									
2 SSW Amber to 8 ESE Tuttle	03	1726CST 1800CST	15	1760	12	39	90M		Tornado (F5)
Tornado A9 (Grady County portion). See summary at end of May 3rd storm reports. The beginning time of this tornado was changed from 1723 CST to 1726 CST. Please refer to the original version of May Storm Data for more information. F55MH, F44PH, F1PH, F53PH, F59MH, M73MH, F73MH, M50MH, F59MH, F25MH, F41MH, M39MH									
Canadian County									
7 N Calumet	03	1730CST			0	0			Thunderstorm Wind (G52)
Grady County									
3 N Amber	03	1730CST			0	0			Hail (1.00)
Caddo County									
8 S Ft Cobb to 1 W Washita	03	1738CST 1759CST	7	150	0	0	20K		Tornado (F1)
Tornado B3. See summary at end of May 3rd storm reports.									
Caddo County									
5 W Anadarko	03	1756CST	0.1	25	0	0	0		Tornado (F0)
Tornado B4. See summary at end of May 3rd storm reports.									
Canadian County									
1.5 W Okarche	03	1758CST	0.1	100	0	0	5K		Tornado (F0)
Tornado C1 (Canadian County portion). See summary at end of May 3rd storm reports.									
Kingfisher County									
9 SSW Kingfisher to 5 SW Kingfisher	03	1758CST 1807CST	4	100	0	0	5K		Tornado (F0)
Tornado C1 (Kingfisher County portion). See summary at end of May 3rd storm reports									
Canadian County									
Okarche	03	1800CST	0.1	25	0	0	0		Tornado (F0)
Tornado C2 (Canadian County portion). See summary at end of May 3rd storm reports.									
Kingfisher County									
9 SSW Kingfisher	03	1800CST	0.1	25	0	0	0		Tornado (F0)
Tornado C2 (Kingfisher County portion). See summary at end of May 3rd storm reports									
McClain County									
8 N Blanchard to 4 NE Newcastle	03	1800CST 1812CST	5	1320	1	17	10M		Tornado (F4)
Tornado A9 (McClain County portion). See summary at end of May 3rd storm reports. F40OU									
Oklahoma County									
Del City	03	1800CST			0	0			Hail (2.75)
Hail was reported near the intersection of Reno and Sooner, but is believed to have fallen mostly west of Sooner. This report was originally listed as Oklahoma City.									
Caddo County									
Washita	03	1804CST			0	0			Hail (2.75)
McClain County									
3 N Newcastle	03	1810CST	0.2	20	0	0	0		Tornado (F0)
Tornado A10. See summary at end of May 3rd storm reports.									
Caddo County									
4 NNW Anadarko to 5 NNW Anadarko	03	1812CST 1813CST	1	25	0	0	0		Tornado (F0)
Tornado B5. See summary at end of May 3rd storm reports.									



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OKLAHOMA, Western, Central and Southeast

Cleveland County 6 WSW Moore to 4 NE Moore	03	1812CST 1830CST	10	1320	11	293	450M		Tornado (F5)
Tornado A9 (Cleveland County portion). See summary at end of May 3rd storm reports. M26PH, M24PH, F94PH, M33PH, F30PH, M28PH, F89PH, F4PH, F36PH, M36PH, F26OU									
Cleveland County 4 W Moore	03	1815CST			0	0			Hail (2.75)
Caddo County 4 ESE Gracemont	03	1820CST	0.1	25	0	0	0		Tornado (F0)
Tornado B6. See summary at end of May 3rd storm reports.									
Oklahoma County Oklahoma City	03	1824CST			0	0			Hail (2.50)
Hail was reported near the intersection of SW 89th and Penn.									
Cleveland County 2 NE Moore	03	1828CST			0	0			Hail (3.00)
Alfalfa County 3 WSW Helena	03	1830CST			0	0			Hail (1.75)
Garfield County 3 NE Drummond	03	1830CST			0	0			Hail (0.75)
Oklahoma County 4 S Del City to 2 W Midwest City	03	1830CST 1848CST	7	1320	12	234	450M		Tornado (F4)
Tornado A9 (Oklahoma County portion). See summary at end of May 3rd storm reports. M67PH, F75PH, F49PH, M80PH, F60PH, M86PH, F43PH, M62PH, M0PH, F50PH, M37BU, M52BU									
Oklahoma County 4 S Midwest City to 3.5 S Midwest City	03	1831CST 1832CST	0.5	60	0	0	3K		Tornado (F0)
Tornado A11. See summary at end of May 3rd storm reports.									
Caddo County 9 E Gracemont to 10 ENE Gracemont	03	1834CST 1835CST	0.5	25	0	0	0		Tornado (F0)
Tornado B7. See summary at end of May 3rd storm reports.									
Oklahoma County Tinker Afb	03	1836CST			0	0			Hail (1.00)
Caddo County 5 S Cogar to 1 E Cogar	03	1837CST 1848CST	5	50	0	0	1K		Tornado (F1)
Tornado B9. See summary at end of May 3rd storm reports.									
Grady County 8 WSW Minco to 6 WSW Minco	03	1837CST 1840CST	2	300	0	0	1K		Tornado (F1)
Tornado B8. See summary at end of May 3rd storm reports.									
Oklahoma County Tinker Afb	03	1843CST			0	0			Hail (1.75)
Grady County 5 W Minco to 4 NW Minco	03	1847CST 1900CST	4	60	0	0	20K		Tornado (F1)
Tornado B10. See summary at end of May 3rd storm reports.									
Oklahoma County 3 SW Choctaw to 3 NE Choctaw	03	1853CST 1907CST	7	220	0	4	3.2M		Tornado (F2)
Tornado A12. See summary at end of May 3rd storm reports.									



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OKLAHOMA, Western, Central and Southeast									
Grady County									
5 SW Minco	03	1855CST	0.1	50	0	0	15K		Tornado (F1)
Tornado B11. See summary at end of May 3rd storm reports.									
Canadian County									
2.5 WNW Union City	03	1903CST	0.1	25	0	0	0		Tornado (F0)
Tornado B12. See summary at end of May 3rd storm reports.									
Oklahoma County									
4 ESE Jones to 3 E Jones	03	1909CST 1915CST	2	50	0	0	10K		Tornado (F0)
Tornado A13. See summary at end of May 3rd storm reports.									
Canadian County									
2 NNE Union City	03	1913CST 1914CST	0.8	100	0	0	0		Tornado (F0)
Tornado B13. See summary at end of May 3rd storm reports.									
Canadian County									
4 NNE Union City to 5 NNE Union City	03	1916CST 1918CST	1	75	0	0	0		Tornado (F0)
Tornado B14. See summary at end of May 3rd storm reports.									
Oklahoma County									
3 ENE Jones to 6 NE Jones	03	1917CST 1925CST	4	50	0	0	60K		Tornado (F1)
Tornado A14. See summary at end of May 3rd storm reports.									
Blaine County									
3 W Geary	03	1921CST	0.1	25	0	0	0		Tornado (F0)
Tornado E1. See summary at end of May 3rd storm reports.									
Comanche County									
2 N Sterling	03	1924CST			0	0			Hail (0.75)
Canadian County									
3 ESE El Reno	03	1925CST	0.1	25	0	0	0		Tornado (F0)
Tornado B15. See summary at end of May 3rd storm reports.									
Canadian County									
10 WNW Calumet to 10 NW Calumet	03	1929CST 1935CST	4	150	0	0	10K		Tornado (F1)
Tornado E2 (Canadian County portion). See summary at end of May 3rd storm reports.									
Oklahoma County									
Choctaw	03	1930CST			0	0			Hail (2.75)
Canadian County									
6 WNW Yukon to 3 W Piedmont	03	1934CST 1946CST	6	150	0	0	50K		Tornado (F1)
Tornado B16. See summary at end of May 3rd storm reports.									
Cleveland County									
15 ESE Norman to 16 E Norman	03	1934CST 1941CST	4	30	0	0	1K		Tornado (F0)
Tornado D1 (Cleveland County portion). See summary at end of May 3rd storm reports.									
Blaine County									
12 SE Watonga to 13 ESE Watonga	03	1935CST 1937CST	2	150	0	0	5K		Tornado (F1)
Tornado E2 (Blaine County portion). See summary at end of May 3rd storm reports.									
Kingfisher County									
8 S Omega to 7 SSE Omega	03	1937CST 1941CST	3	150	0	0	2K		Tornado (F1)
Tornado E2 (Kingfisher County portion). The beginning time of this county segment was incorrectly listed in the original version of May Storm Data. The beginning time should be 1937 CST rather than 1936 CST. Please refer to the original version of May Storm									



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OKLAHOMA, Western, Central and Southeast

Data for more information about this tornado.

Kingfisher County
7 SSE Omega to
7 WNW Kingfisher

03	1941CST 2006CST	12	450	0	4	300K		Tornado (F3)
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Tornado E3. See summary at end of May 3rd storm reports.

Pottawatomie County
3 SSE Pink to
2 NNE Pink

03	1941CST 1952CST	5	30	0	0	75K		Tornado (F1)
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Tornado D1 (Pottawatomie County portion). See summary at end of May 3rd storm reports. The end point of this tornado was changed from 3 miles northeast of Pink to 2 miles north-northeast of Pink. Please refer to the original version of May Storm Data for more information.

Garfield County
Waukomis

03	1944CST			0	0			Hail (1.75)
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Canadian County
1.5 W Piedmont to
5 NNW Piedmont

03	1948CST 2000CST	8	200	0	0	50K		Tornado (F2)
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Tornado B17 (Canadian County portion). See summary at end of May 3rd storm reports.

Kingfisher County
6 W Kingfisher

03	1955CST 1956CST	0.5	50	0	0	0		Tornado (F0)
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Tornado E4. See summary at end of May 3rd storm reports.

Canadian County
4 NNE Piedmont to
5 NNE Piedmont

03	1958CST 2001CST	1	150	0	0	2K		Tornado (F1)
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Tornado B18 (Canadian County portion). See summary at end of May 3rd storm reports.

Kingfisher County
12 SE Kingfisher

03	2000CST	0.1	200	0	0	2K		Tornado (F1)
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Tornado B17 (Kingfisher County portion). See summary at end of May 3rd storm reports.

Kingfisher County
6 SW Cashion to
4 NW Cashion

03	2001CST 2022CST	9	150	0	0	5K		Tornado (F1)
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Tornado B18 (Kingfisher County portion). See summary at end of May 3rd storm reports.

Kingfisher County
6 WNW Kingfisher

03	2003CST	0.1	25	0	0	0		Tornado (F0)
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Tornado E5. See summary at end of May 3rd storm reports.

Pottawatomie County
5 WNW Shawnee to
7 E Mc Loud

03	2005CST 2020CST	7	250	1	10	500K		Tornado (F2)
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Tornado D2. See summary at end of May 3rd storm reports. F41MH

Kingfisher County
5 WNW Kingfisher

03	2009CST			0	0			Hail (4.50)
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Hail ranged from golf ball size (1.75 inches) to softball size (4.5 inches). This event is an addition to the original version of May Storm Data.

Kingfisher County
4 SSW Dover to
7 ESE Hennessey

03	2010CST 2038CST	15	880	1	11	2.5M		Tornado (F4)
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Tornado E6. See summary at end of May 3rd storm reports. F46PH

Logan County
12 SSW Crescent to
11 SSW Crescent

03	2010CST 2012CST	1	100	0	0	2K		Tornado (F1)
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Tornado B19. See summary at end of May 3rd storm reports.



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OKLAHOMA, Western, Central and Southeast

Kingfisher County

Dover	03	2020CST			0	0	20K		Hail (2.75)
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Large hail, ranging from golf ball size (1.75 inches) to baseball size (2.75 inches), damaged the sides and roofs of buildings and broke numerous windows on the southeast side of Dover. This event is an addition to the original version of May Storm Data.

Kingfisher County

Dover	03	2020CST			0	0	15K		Thunderstorm Wind
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Severe thunderstorm winds, estimated to be near 100 mph, caused widespread property damage on the southeast side of Dover. The walls of a cinder-block building and garage collapsed, and numerous trees were uprooted. This event is an addition to the original version of May Storm Data.

Pottawatomie County

6 NNW Shawnee to 9 N Shawnee	03	2020CST 2028CST	3	100	0	0	200K		Tornado (F1)
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Tornado D3 (Pottawatomie County portion). See summary at end of May 3rd storm reports.

Kingfisher County

2 ESE Omega to 2 E Omega	03	2022CST 2024CST	0.8	50	0	0	0		Tornado (F0)
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Tornado H1. See summary at end of May 3rd storm reports.

Logan County

7 SW Crescent to 5 NE Mulhall	03	2025CST 2120CST	24	1760	1	13	10M		Tornado (F4)
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Tornado B20 (Logan County portion). On January 10,2001 tornadoes B20 and B21 were combined and will be identified as B20. Tornado B21 no longer exists. Please see summary at end of May 3rd storm reports for more information. F76PH

Kingfisher County

10 WSW Kingfisher to 7 NW Kingfisher	03	2026CST 2036CST			0	0	40K		Thunderstorm Wind
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Severe winds produced a 9 mile long, intermittent damage path on the west and northwest sides of Kingfisher. One mobile home was destroyed, while 2 others were moved about 30 yards from their foundation. One shed was blown over; dozens of trees and utility poles were downed, and one cow was killed. This event is an addition to the original version of May Storm Data.

Lincoln County

2 S Meeker to 4 NE Meeker	03	2028CST 2045CST	8	100	0	0	50K		Tornado (F1)
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Tornado D3 (Lincoln County portion). See summary at end of May 3rd storm reports.

Comanche County

Lawton	03	2030CST			0	0			Hail (0.75)
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Kingfisher County

3 NE Dover to 4 SE Hennessey	03	2030CST 2037CST	4	440	0	0	10K		Tornado (F1)
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Tornado E7. See summary at end of May 3rd storm reports.

Comanche County

Lawton	03	2032CST			0	0			Hail (1.00)
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Canadian County

Oklahoma City	03	2036CST			0	0			Thunderstorm Wind (G61)
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70 mph winds were reported near the intersection of Britton and the N. Canadian River.

Murray County

2 S Davis	03	2036CST			0	0			Hail (0.75)
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Oklahoma County

Oklahoma City	03	2036CST			0	0			Hail (0.75)
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Hail was reported at Will Rogers World Airport.



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OKLAHOMA, Western, Central and Southeast

Noble County

8 S Perry to
3 ENE Perry

03	2127CST 2145CST	9	880	0	10	3M		Tornado (F2)
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Tornado B20 (Noble County portion). On January 10, 2001 tornadoes B20 and B21 were combined and will be identified as B21. Tornado B21 no longer exists. Please see summary at end of May 3rd storm reports for more information.

Major County

6 S Ringwood

03	2128CST 2130CST	1	200	0	0	5K		Tornado (F1)
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Tornado I1. See summary at end of May 3rd storm reports.

Logan County

3 SSE Marshall

03	2130CST			0	0			Thunderstorm Wind (G55)
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Kingfisher County

2 SW Cashion to
.5 N Cashion

03	2138CST 2144CST	3	150	0	0	0.50K		Tornado (F0)
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Tornado G3 (Kingfisher County portion). See summary at end of May 3rd storm reports.

Kingfisher County

8 E Kingfisher

03	2140CST 2141CST	0.5	50	0	0	4K		Tornado (F0)
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Tornado G4. See summary at end of May 3rd storm reports.

Logan County

9 SW Crescent

03	2144CST	0.1	150	0	0	0.50K		Tornado (F0)
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Tornado G3 (Logan County portion). See summary at end of May 3rd storm reports.

Jackson County

5 ESE Elmer

03	2145CST			0	0	0.01K		Thunderstorm Wind
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Tillman County

3 NW Grandfield

03	2150CST			0	0			Thunderstorm Wind (G59)
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Tillman County

3 WNW Grandfield

03	2150CST			0	0			Thunderstorm Wind (G59)
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Noble County

5 E Perry

03	2155CST			0	0	2K		Thunderstorm Wind
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Logan County

2.5 S Crescent to
4 SW Mulhall

03	2156CST 2218CST	13	880	0	13	10M		Tornado (F3)
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Tornado G5. The beginning and ending times for this tornado were incorrectly listed in the original version of May Storm Data. The beginning time should be 2156 CST rather than 2150 CST, and the ending time should be 2218 CST rather than 2240 CST. Refer to the summary portion at the end of the May 3, 1999 storm reports of the original version of May Storm Data for more information.

Comanche County

3 W Medicine Park

03	2225CST			0	0			Thunderstorm Wind (G57)
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Comanche County

Medicine Park

03	2230CST			0	0			Thunderstorm Wind (G59)
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Comanche County

3 W Medicine Park

03	2230CST			0	0			Thunderstorm Wind (G57)
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Logan County

3 SSW Mulhall to
2 S Mulhall

03	2233CST 2236CST	2	440	0	0	50K		Tornado (F2)
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Tornado G6. See summary at end of May 3rd storm reports.

Comanche County

3 W Medicine Park

03	2235CST			0	0			Thunderstorm Wind (G53)
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Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons	Estimated Damage	Character of Storm	
					Killed	Injured	Property	Crops

OKLAHOMA, Western, Central and Southeast

Pontotoc County

10 NW Ada	03	2335CST			0	0			Hail (0.75)
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Seminole County

Seminole	03	2344CST			0	0			Hail (1.75)
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A record outbreak of tornadoes struck Oklahoma from late afternoon of May 3, 1999, through early morning of May 4, 1999. To date, 58 tornadoes have been recorded across portions of western and central Oklahoma. Additional tornadoes were reported across eastern Oklahoma from late evening of May 3rd through the early morning of May 4th, and are listed under the eastern Oklahoma portion of Storm Data, provided by the National Weather Service Office in Tulsa, Oklahoma. All direct fatalities (40) and all direct injuries (675) occurred in the Norman National Weather Service warning area. The most notable tornado was rated F5 and formed over Grady County near Amber and tracked northeast for 37 miles eventually into the Oklahoma City metropolitan area. Bridge Creek, Oklahoma City, Moore, Del City, and Midwest City suffered tremendous damage. Thirty-six direct fatalities and 583 direct injuries were recorded. There were many other significant tornadoes as well, including F4 tornadoes in Kingfisher and Logan Counties, and F3 tornadoes in Caddo, Grady, Kingfisher, Logan, and Lincoln Counties. Due to the magnitude of the tornado outbreak, and for easier reference, each tornado has received its own identification. There were 8 tornadic producing thunderstorms, called supercells, and most of them spawned numerous tornadoes, one after another. Occasionally, these thunderstorms spawned tornadoes at the same time. The first tornado producing thunderstorm of the day was labeled storm A, while the last tornado producing thunderstorm of the day was labeled storm I. Tornadoes produced by the same supercell thunderstorm have the same letter and were then numbered chronologically. For example, the 3rd tornado produced by storm B was labeled B3.

Storm A produced 14 tornadoes over a period of about 7 hours and was eventually responsible for the F5 tornado that struck Bridge Creek, Oklahoma City and Moore. The 1st tornado of the outbreak, A1, touched down on US 62, 2 miles north of Interstate 44 in Comanche County at 1641 CST. No damage is believed to have occurred (F0). The 2nd tornado, A2, formed approximately 3 miles west of Elgin in Comanche County. Several witnesses confirmed this tornado, however no damage was observed (F0). The 3rd tornado, A3, touched down in a rural area 3 miles east of Apache in Caddo County. As the tornado moved northward to near Anadarko, one house was destroyed near the town of Stecker, with its roof ripped off and several walls knocked down (F3). Three persons inside the house were injured. Several witnesses reported the 4th tornado, A4, 3 miles northwest of Cyril in Caddo County just west of SH 8. No damage was reported (F0). The 5th tornado, A5, formed 2 miles south of Anadarko in Caddo County. Two witnesses reported the tornado to be brief, and no damage was observed (F0).

The 6th tornado, A6, developed about 3 miles north-northeast of Cement near the Caddo/Grady County border, and quickly intensified to a strong tornado with associated damage rated at the high end of the F3 scale. The tornado tracked northeast for 9 miles before dissipating 2.5 miles west-northwest of downtown Chickasha. Two homes had just a few interior walls standing (F3), one located near US 62 on the northwest side of Chickasha, and several wooden high tension power lines were downed. Several persons were injured south of Verden near the Caddo/Grady County border. The 7th tornado, A7, has been referred to as a satellite tornado, and rotated around A6 for a short period of time, 5 miles west of Chickasha in Grady County. Damage from this satellite tornado was not discovered and was therefore rated F0. The 8th tornado, A8, developed 2.5 miles northwest of downtown Chickasha just north of US 62, and tracked northeast, striking the Chickasha Municipal Airport, resulting in high-end F2 damage to two hangar buildings and destroying several aircraft. An aircraft wing, believed to have originated from this airport was eventually carried airborne approximately 45 miles and dropped in southwest Oklahoma City. Approximately 20 mobile homes near the airport were either damaged or destroyed with several persons injured. The tornado then crossed US 81 about 2 miles north of its intersection with US 62 destroying a large building, then dissipated 4 miles north-northeast of downtown Chickasha.

The 9th tornado, A9, was a violent and long-tracked tornado, and eventually produced F5 damage in Bridge Creek, Oklahoma City, and Moore. This tornado developed in Grady County about two miles south-southwest of Amber, and quickly intensified as it crossed State Highway 92. F4 damage was first discovered about 4 miles east-northeast of Amber and extended for 6 1/2 miles, as the tornado continued to move northeast. Two areas of F5 damage were observed. The first was in the Willow Lake Addition, a rural subdivision of mobile homes and some concrete slab homes, in Bridge Creek in far eastern Grady County. Two homes were completely swept from their concrete slabs, and about one dozen automobiles were carried about 1/4 of a mile. All mobile homes in this area in the direct path of the tornado were obliterated, resulting in a high concentration of fatalities. Asphalt pavement about 1-inch thick was also peeled from a section of rural road EW125. The second area of F5 damage was observed about 1 mile west of the Grady/McClain County line and consisted of a cleanly swept slab home with foundation anchor bolts and another vehicle lofted 1/4 of a mile. The maximum width of damage in Bridge Creek was estimated to be 1 mile. Approximately 200 mobile homes/houses were destroyed, and hundreds of other structures were damaged. The Ridgecrest Baptist Church in Bridge Creek was also destroyed. Twelve persons died in Bridge Creek, nine in mobile homes, and all fatalities and the majority of injuries were concentrated in the Willow Lake Addition, Southern Hills Addition, and Bridge Creek Estates, consisting mostly of mobile homes. Compared to sections of Oklahoma and Cleveland Counties, other counties in the path of this tornado which are more densely populated, eastern Grady County including the Bridge Creek area, is rural and sparsely populated.

The tornado maintained a nearly straight path to the northeast paralleling Interstate 44, as it entered McClain County, except when it made a slight jog to the right and moved directly over the 16th Street overpass in Newcastle where a woman was killed when she



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Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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OKLAHOMA, Western, Central and Southeast

was blown out from under the overpass. The tornado continued into northern sections of rural Newcastle and crossed the interstate again just north of the US 62 Newcastle interchange. While this tornado was moving through the northern portion of Newcastle, a satellite tornado (A10) touched down in a field in rural north Newcastle, and caused no damage (F0). Two areas of F4 damage were observed in McClain County, all associated with tornado A9. The first area overlapped the Grady/McClain County line and extended to about 3 miles northwest of Newcastle, ending just west of the 16th St. overpass on Interstate 44, while the other area was observed 2 miles northwest of Newcastle. Thirty-eight homes and 2 businesses were destroyed in McClain County, and 40 homes were damaged. Damage then diminished to F2 intensity as the tornado crossed the South Canadian River into northern Cleveland County.

The tornado entered Cleveland County between Portland and May and between SW 164th and SW 179th in south Oklahoma City. Damage was rated F2 in this area with a path width averaging 1/2 of a mile. The first major housing development to be struck in Cleveland County was Country Place Estates located just west of Pennsylvania Ave. where about 50 homes were damaged, with 1 dozen of these homes receiving F4 damage. One slab home was cleanly swept from its foundation, and several vehicles were picked up from the subdivision and tossed across Pennsylvania Ave, a distance of approximately 1/4 of a mile. One vehicle was found under a bridge just east of the intersection of Pennsylvania and SW 134th. This particular area of damage has been rated high F4/low F5. Oklahoma City Police indicated that part of an airplane wing, believed to have originated from Chickasha Municipal Airport in Grady County, landed in this area. The tornado then tracked through Eastlake Estates, a densely populated housing development, located north of SW 134th and between Pennsylvania and Western, where 3 fatalities occurred. Entire rows of homes were virtually flattened to piles of rubble. Four adjacent homes on one street were virtually cleaned off their foundations leaving only concrete slabs, which earned an F5 rating. Three other homes in this housing division also received F5 damage, with the remaining destruction rated high F4. Three persons also died in the 600-unit Emerald Springs Apartments on Western Ave. located across the street from Eastlake Estates. One 2-story apartment building on the north end of the apartment complex was virtually flattened, and received an F5 rating. Westmoore High School, located just north of Eastlake Estates, was also heavily damaged. Although a well-attended awards ceremony was being held at the school during the tornado, no one was injured, however dozens of vehicles in the school parking lot were either damaged or destroyed. F4 damage continued northeast into another residential area east of Western Ave. and south of 119th St. The tornado then entered the western city limits of Moore (Cleveland County) along Santa Fe and near NW 12th, and produced damage between 1/2 and 3/4 of a mile wide. Maximum damage, rated high F4/low F5, extended northeast to near Janeway with several large groups of homes flattened. Four persons died in this residential area. F4 damage continued to South Shields just north of the junction with Interstate 35. A woman was also killed when she was blown out from under the Shields overpass of Interstate 35. The tornado appeared to weaken just slightly after crossing interstate 35, however it remained a formidable storm with widespread high F3/low F4 damage observed in Highland Park, a residential area, south of the First Baptist Church on 27th St. in Moore. Escaping with relatively minor damage, and being located near the halfway point of the tornado path, the First Baptist Church in Moore eventually served as the primary coordination center for most tornado relief efforts. The tornado then continued northeast and entered the southern portion of a sparsely populated industrial district. F4 damage continued through this area, to near SE 89th St., the Cleveland/Oklahoma County border.

Moving into Oklahoma County, the tornado curved northward, through the remaining industrial district north of Interstate 240 where 2 businesses were destroyed, with the damage rated F4. Two persons were also killed at a trucking company near the intersection of S. Bryant Ave. and Interstate 240. A freight car, with an approximate weight of 18 tons, was picked up intermittently and blown 3/4 of a mile across an open field, with the body of the freight car being deposited southeast of the intersection of S. Sunnyslane Rd. and SE 59th. Gouge marks were observed in the field every 50 to 100 yards, suggesting the freight car had been airborne for at least a short distance. While tornado A9 was moving through southeast Oklahoma City, another tornado (A11) touched down briefly about 1/2 mile south of Interstate 240 (Oklahoma County), near the intersection of SE 80th and Sooner Rd. Damage from tornado A11, rated F0, included fences being blown down and minor roof damage inflicted to a couple of houses. Tornado A9 then entered residential neighborhoods between SE 59th and SE 44th where 1 woman was killed in her house. Crossing SE 44th into Del City (Oklahoma County) the tornado moved through the highly populated Del Aire housing addition killing 6 persons and damaging or destroying hundreds of homes, many with F3/F4 damage. The tornado then crossed Sooner Rd., damaged an entry gate and several costly structures at Tinker Air Force Base, then crossed 29th St. into Midwest City (Oklahoma County), destroying 1 building in the Boeing Complex and damaging 2 others. Widespread F3/F4 damage continued as the tornado moved across Interstate 40 affecting a large business district. Approximately 800 vehicles were damaged at Hudiburg Auto Group, located just south of Interstate 40. Hundreds of the vehicles were moved from their original location, and dozens of vehicles were picked up and tossed northward across Interstate 40 into several motels, a distance of approximately 2 tenths of a mile. Numerous motels and other businesses including Hampton Inn, Comfort Inn, Inn Suites, Clarion Inn, Cracker Barrel, and portions of Rose State College, were destroyed. Some of the damage through this area was rated high F4, however low F5 was considered. The tornado then continued into another residential area located between SE 15th and Reno Ave. where 3 fatalities occurred. High F4 damage was inflicted to 4 homes in this area. Two of these homes were located between SE 12th and SE 11th, near Buena Vista, and the other 2 homes were located on Will Rogers Rd. just south of SE 15th. Damage then diminished rapidly to F0/F1 as the tornado crossed Reno Ave. before dissipating 3 blocks north of Reno Ave. between Sooner Rd. and Air Depot Blvd.

The Oklahoma State Department of Health in Oklahoma City recorded 36 direct fatalities. In addition, 5 persons died of illness or accident during or shortly after the tornado and were not considered in the direct fatality total. Five hundred eighty-three injuries were estimated based on numbers provided from the Department of Health, which were then adjusted to account for persons



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assumed to be unaccounted for. Injuries which resulted from removing debris, conducting search and rescue efforts, and taking shelter from the tornado, were not considered in the injury total. An estimated 1800 homes were destroyed, and 2500 homes were damaged, resulting in approximately 1 billion dollars in damage

The 12th tornado, A12, formed about 3 miles southwest of Choctaw in Oklahoma County and produced F2 damage to two homes and lesser damage to many others in the southwest part of Choctaw. The tornado moved into the center of town where a car was thrown over the canopy at a drive-in-restaurant. The business strip located on the north side of NE 23rd was especially affected with several businesses destroyed, including Pizza Hut, Sonic, and Tri-City Youth and Family Shelter. Damage was mainly F1 as it moved northeast, except for F2 damage at a nursing home where one woman was injured. The tornado continued to weaken in rural areas and dissipated near the intersection of NE 50th and Triple XXX Road. In total, damage estimates are near 3.2 million dollars, with 8 businesses destroyed, 130 businesses damaged, 14 homes destroyed, and 23 homes damaged. The 13th tornado, A13, formed about 4 miles east-southeast of Jones in Oklahoma County near the intersection of NE 63rd and Triple XXX Rd., and was captured on video. Only minor damage (F0), was observed as the tornado tracked northward along Triple XXX Rd. for 2 miles before dissipating near Britton. The 14th and final tornado (A14) produced by storm A, formed about 3 miles east-northeast of Jones in Oklahoma County just west of Triple XXX Rd and between Hefner and 122nd, then tracked northward for 4 miles before dissipating near Interstate 44. A ground survey concluded F1 damage occurred to several homes south of the intersection of Memorial and Triple XXX Rd.

Storm B was responsible for producing 20 tornadoes in 5 hours. One of these tornadoes, rated F4, caused 1 fatality, and produced a damage path 39 miles long and 1 mile wide. The first tornado, B1, formed about 3 miles south of Roosevelt in Kiowa County near Tom Steed Lake. Touchdown was brief with no damage reported (F0). The 2nd tornado, B2, formed in southwest Caddo County about 12 miles west-northwest of Apache. The tornado was captured on video and remained on the ground for approximately 4 minutes before dissipating. No damage was reported (F0). The 3rd tornado, B3, formed about 8 miles south of Fort Cobb and remained on the ground for 21 minutes covering a distance of 7 miles. Damage, mainly F1, consisted of a destroyed barn 7 miles south of Fort Cobb, a stock trailer which was thrown about 100 yards and a destroyed house garage 6 miles south-southeast of Fort Cobb, and sporadic areas of downed trees and power lines. The 4th tornado, B4, was short-lived and developed about 5 miles west of Anadarko in Caddo County. No significant damage was observed (F0). The 5th tornado, B5, was also short-lived and formed about 4 miles north-northwest of Anadarko in Caddo County. No significant damage was observed (F0). A storm chaser observed the 6th tornado, B6, about 4 miles east-southeast of Gracemont in Caddo County. Touchdown was brief with no significant damage (F0). The 7th tornado, B7, was also reported by a storm chaser, and formed about 9 miles east-southeast of Gracemont in Caddo County. The tornado was brief and produced no significant damage (F0). The 8th and 9th tornadoes, B8 and B9, formed nearly simultaneously. Tornado B8 developed about 8 miles west-southwest of Minco in Grady County and was approximately 300 yards wide. The tornado tracked northeast for 2 miles before dissipating. Tornado B9 formed 5 miles south of Cogar in Caddo County and tracked northward for 5 miles. Tornadoes B8 and B9 moved over rural areas with only extensive tree damage observed, and thus were both rated F1. The 10th tornado, B10, was captured on video and formed about 5 miles west of Minco and tracked northeast for 4 miles before dissipating. Maximum damage, rated F1, consisted of small house moved slightly off its foundation with most of its roof blown off. Trees and road signs were also damaged near the end of the tornado track.

The 11th tornado, B11, formed about 5 miles southwest of Minco in Grady County and was observed by off-duty Storm Prediction Center forecasters. The roof was ripped off a house, which would normally warrant an F2 rating, however the structure was considered somewhat unstable, so an F1 rating was assigned. The 12th tornado, B12, formed about 2.5 miles west-northwest of Union City in Canadian County and was captured on video. No significant damage was observed and thus was rated F0. The 13th tornado, B13, formed about 2 miles north-northeast of Union City in Canadian County and was captured on video. No significant damage was reported (F0). The 14th tornado, B14, formed about 4 miles north-northeast of Union City in Canadian County and was also captured on video. No significant damage was reported (F0). The 15th tornado, B15, was also captured on video as it formed about 3 miles east-southeast of El Reno in Canadian County. No significant damage was reported (F0). The 16th tornado, B16, developed about 6 miles west-northwest of Yukon (Canadian County) and tracked northward for 6 miles before dissipating near Piedmont, also in Canadian County. Two witnesses caught this tornado on video. The majority of damage consisted of mangled and downed trees and downed power poles, however 2 mobile homes sustained heavy damage (F1); a barn was destroyed, and 1 cow was killed. The 17th tornado, B17, developed about 1.5 miles west of Piedmont in Canadian County and tracked northward for 8 miles in a zigzag pattern, ending in far south Kingfisher County. Again the majority of damage consisted of downed trees and power poles, however F2 damage was observed about 4 miles northwest of Piedmont where a garage, attached to the house, was destroyed, and a barn and mobile home were completely demolished with debris from the mobile home, mostly corrugated metal, scattered along a 2-mile stretch of road. F1 damage, consisting of large downed trees and leaning power poles, was observed in southern Kingfisher County. The 18th tornado, B18, developed about 4 miles north-northeast of Piedmont in northeast Canadian County and tracked northward for 10 miles before dissipating about 4 miles northwest of Cashion in Kingfisher County. F1 damage was observed in northeast Canadian County, where large trees were uprooted, and numerous power poles were felled or were leaning. F1 damage was also observed 2 miles west of Cashion in Kingfisher County where telephone/utility poles were downed for approximately 100 feet, and an oil storage tank was knocked off its mount. The 19th tornado, B19, formed about 12 miles south-southwest of Crescent in Logan County and was confirmed by an aerial survey. Damage, rated high F0/low F1, was observed for a distance of 1 mile and consisted mostly of downed power poles and strewn about bales of hay



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OKLAHOMA, Western, Central and Southeast

A very unusual event took place in Logan County where 2 tornadoes, B20 and G5, produced by different thunderstorms, affected much of the same area between Crescent and Mulhall in Logan County. Assessment of damage from the individual tornadoes was difficult and in some areas nearly impossible due to overlapping damage paths. The 1st tornado, B20, formed about 7 miles southwest of Crescent and tracked northeast for 39 miles before dissipating east of Perry in Noble County. The 2nd tornado, G5, formed about 2 1/2 miles south of Crescent and tracked northeast for 13 miles before dissipating 4 miles southwest of Mulhall. Damage paths were nearly parallel in Logan County with damage from the 2nd tornado displaced 1/2 mile or less to the north of damage from the 1st tornado. Damage from B20 was first observed about 2 miles west of the intersection of SH33 and SH74 near Twin Lakes Rd., where 2 homes and other businesses were damaged. The width of damage is believed to have increased to nearly 1 mile as it tracked east of Crescent where numerous homes suffered major damage. Damage to 1 brick residence 3 miles east-southeast of Crescent was rated F4. All walls were knocked down, and part of the foundation was removed. The tornado then tracked through the small community of Abell (6 miles southwest of Mulhall), where 1 woman was killed in her home, and 6 persons were injured, and then finally through Mulhall. Approximately 60-70% of Mulhall's 130 homes were severely damaged or destroyed. In addition, Mulhall's primary water source, a water tower, and the Mulhall/Orlando Elementary School were destroyed. Lesser damage continued to about 1/2 mile west of the Logan/Payne County border where tombstones and fences were blown over. Along Interstate 35 in northwest Payne County, a semi-truck trailer was overturned, and 2 cars were flipped. The driver of one of the cars was killed when his vehicle, parked under the Interstate 35 overpass at mile-marker 176.5, was picked up and dropped on its top. In Noble County, major structural damage was observed in the Boonsboro Addition, a mobile home park located along State Highway 86, 6 miles south of Perry. Approximately 20 mobile homes were destroyed, and dozens of others were damaged. Damage continued northward to a location 3 miles east of Perry, where 3 homes suffered major damage on US 64 and 1 critical injury was reported. In total, approximately 25 homes were destroyed in Noble County, and 50 homes were damaged.

The 2nd tornado, G5, occurred about 1 hour and 20 minutes after tornado B20, and also produced widespread damage. Twenty-five homes were destroyed near Crescent, and 30 homes were damaged (F3). Damage here is believed to have been produced by both tornadoes, and near the end of this tornado track, along portions of EW68 Rd. and EW69 Rd., another house received significant roof damage.

Storm C spawned just 2 tornadoes. Both produced minimal damage in Canadian and Kingfisher Counties. The first tornado, C1, formed about 1.5 miles east of Okarche near the Canadian/Kingfisher County border and stayed on the ground for approximately 4 miles moving north-northeast. One barn was destroyed, while another was damaged. The structural integrity of the known destroyed barn warranted only an F0 rating. Tornado C2 touched down within the town of Okarche, which is on the Canadian/Kingfisher County border, and was photographed by Okarche residents. No damage was reported (F0).

Storm D produced 4 tornadoes in the Norman National Weather Service warning area, however several tornadoes also formed from this thunderstorm in the Tulsa National Weather Service warning area. The 1st tornado, D1, formed 1 mile north of the community of Etowah (15 miles south-southeast of Norman) in eastern Cleveland County and moved to the north-northeast damaging primarily trees (F0). The tornado then moved into Pottawatomie County and struck the community of Pink where the Pink Baptist Church, located on the south side of State Highway 9, 1.5 miles to the east of the Cleveland/Pottawatomie County line, was significantly damaged. The roof was taken off a new portion of the church, while the roof collapsed on the south side of the older portion of the church over the sanctuary leading to significant water damage. The church was primarily of a cinder block construction with a brick exterior. An F1 rating was applied at the church. A detached large, metal "gymnasium" building to the south of the church was also damaged with the southwest corner of the building caved in and support beams bent. The tornado continued to the northeast before dissipating just inside the city limits of Bethel Acres near Stevens Road, between Waco Road and Hardesty Road. With the exception of the church buildings, damage was limited to trees and power lines. The 2nd tornado, D2, formed in rural Pottawatomie County near Independence Road and Drummond Road or about 6 miles west-northwest of Downtown Shawnee. A few trees were damaged as the tornado moved northeast into the Clarks Heights addition along US-270, just south of Interstate 40. At 45th Street, a portion of a roof was blown off; a nursery was damaged; awnings were destroyed, and trees were downed. As the tornado crossed US-270, the air conditioner was taken off the roof of the El Charro restaurant. Continuing northeast into the West Gate neighborhood, fifteen homes suffered significant damage. Three homes were completely unroofed, warranting an F2 rating, and a number of others were partially unroofed. Other homes suffered shingle damage; a number of large trees were downed, and a garage was collapsed. Signs were also downed along the interstate adjacent to this neighborhood. The next area of significant damage was along the 38800 block of Garrett's Lake Road where a mobile home was destroyed, with the frame of the home blown 50 to 75 yards to the northwest. The disintegration of the mobile home indicated a high F1 or borderline F2 intensity in this area. A few hundred yards to the northeast, the warehouse of Shawnee Light Systems was damaged; one large metal storage building was unroofed, and other buildings were damaged. The tornado crossed Acme Road and struck a number of double-wide mobile homes along Valley View Drive, where one fatality and one serious injury occurred in the same home. The mobile homes most heavily damaged in this area were destroyed, but not disintegrated. To the north, a barn was destroyed, and trees were damaged as the tornado crossed Wolverine Road. The tornado then curved to the north-northwest crossing Acme Road damaging more trees before dissipating.

The 3rd tornado, D3, touched down about a mile southeast of where D2 dissipated, or along Wolverine Road and 1/2 mile east of Acme Road just outside the Shawnee city limits in Pottawatomie County, where it destroyed an outbuilding and damaged trees. The tornado then moved northeast continuing to damage large trees before striking the Country Meadow housing addition in far north Shawnee. A number of homes in this neighborhood were damaged, two partially unroofed. The homes in this neighborhood



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OKLAHOMA, Western, Central and Southeast

appeared to be well-constructed and were approximately two to five years old. Damage here was consistent with high-end F1 damage. The tornado continued northeast downing power lines as it moved into Lincoln County 3 miles south-southwest of Meeker. At a point two miles south-southwest of Meeker, a double-wide mobile home was destroyed; a fifth wheel was tossed, and a large apple tree and a very large black jack oak tree were destroyed. The tornado then moved northeast into the eastern sections of Meeker. Along US Highway 62 a couple of buildings suffered shingle and roof damage; a business sign was destroyed; a shed was destroyed and carried north over the adjacent house, and trees were downed. Scattered tree damage continued to a point four miles northeast of Meeker. Damage in Lincoln County was also rated F1.

The final tornado (D4) produced by storm D formed 3 miles north-northeast of Sparks in Lincoln County. From this point extending north-northeast toward Davenport, only sporadic tree damage was observed. The tornado then inflicted scattered and mostly minor damage to houses and businesses in southeast portions of Davenport consistent with a high F0/low F1 rating, however a house just south of Davenport did lose more than half its roof. The tornado then continued northeastward toward Stroud remaining nearly parallel with Interstate 44 and State Route 66. In Stroud, the three largest employers of Stroud were heavily damaged. On the west side of Stroud along State Highway 66, the tornado hit the Sygma food distribution warehouse. The southeast section of the warehouse, a large free-span structure, suffered significant damage. Three semi-trucks at the warehouse were overturned. Some of the girders and siding from the warehouse were thrown to the northwest across State Highway 66. Farther east along State Highway 66 the Stroud Municipal Hospital suffered significant roof damage, which then caused significant water damage within the hospital. The pattern of the trees that were felled adjacent to the hospital suggested a multiple-vortex structure to the tornado at this point. Damage is estimated to be F2 along State Highway 66. As the tornado continued to move northeast along the turnpike, a McDonald's received minor damage, while an adjacent gas station had all its windows blown out. Semi-trucks parked in the gas station parking lot were also destroyed. On the north side of the turnpike on Old Stroud Road, a group of seven mobile homes was completely destroyed, three of which were lived in, however none were occupied when the tornado struck. The degree of destruction of these mobile homes indicated an F2 rating in this area. To the north, a large house being built (although most of the exterior of the house was completed) suffered roof and siding damage, especially on the east side. Much of the newly-laid interior wood flooring was destroyed by water. A number of homes in a neighborhood on the south side of the turnpike were damaged. At least two houses lost roofs with more minor roof and siding damage to others. Some of the worst damage, rated F3, occurred near the Tanger Outlet Mall, which was hit next by the tornado. Almost all of the stores suffered at least roof damage, however a section of 7 storefronts was destroyed. This section included four stores: Dress Barn, Corning, Mikasa, and a housewares store. At the eastern most section of the building, the exterior walls of the Levi's store collapsed inward. This store was a couple of hundred yards away from the other destroyed section. Local officials from Stroud had evacuated the mall before the tornado struck (approximately 2139 CST), and thus there were no fatalities or injuries in this area. Just south of the outlet mall, a Best Western motel lost part of its roof, and a Wendy's restaurant suffered a partially collapsed roof and broken windows. North of the outlet mall, a number of homes were damaged or destroyed in the Midway mobile home park. As the tornado moved northeast out of Stroud, a number of high-tension electrical towers were downed, and a few trees were downed before the tornado moved into Creek County (Tulsa National Weather Service warning area) about one mile north of the turnpike, dissipating south of Stroud Lake.

Storm E produced 7 tornadoes, including an F4 tornado, that caused extensive damage to Dover in Kingfisher County. The 1st tornado, E1, was very brief and caused no damage (F0), as it formed about 3 miles west of Geary in Blaine County. The 2nd tornado, E2, formed in extreme northwest Canadian County and tracked northeast for 11 miles, clipping the southeast corner of Blaine County, before entering southwest Kingfisher County, eventually dissipating 7 miles south-southeast of Omega. Structural damage was confined mainly to outbuildings and roofs of a mobile home and house, however extensive tree damage with some large uprooted trees occurred along much of the tornado path, warranting an F1 rating in each county. The 3rd tornado, E3, formed 7 miles south-southeast of Omega in Kingfisher County and tracked northeast for 12 miles before dissipating 7 miles northwest of Kingfisher. Extensive tree damage and damage to 1 farmstead occurred during the first 2.5 miles of its path. The tornado then reached its maximum width of about 1/4 of a mile, 5 miles west-northwest of Kingfisher where a large, well-built brick home was severely damaged. Although anchored to the foundation, half the walls were collapsed or missing, and the roof was gone, warranting an F3 rating. Along the remainder of the path, a handful of other homes had minor damage, and 7 mobile homes and numerous outbuildings were destroyed or severely damaged. There was also damage to trees, telephone poles, and farm equipment. The 4th tornado, E4, was short-lived and small, and has been referred to as a satellite tornado, and formed about 6 miles west of Kingfisher while tornado E3 was most intense. This tornado rotated around E3 for a short period of time before dissipating. No damage was observed (F0). Another satellite tornado, E5, formed 6 miles west-northwest of Kingfisher and also rotated briefly around E3. Its life-span was short, and there was no damage (F0).

The 6th tornado, E6, produced a damage path 15 miles long and 1/2 mile wide as it tracked through Kingfisher County. The city of Dover took a direct hit. About one-third of Dover's structures were destroyed. The tornado formed 4 miles south-southwest of Dover, and traveled north-northeast crossing route 81 on the north side of Dover, dissipating about 7 miles east-southeast of Hennessey. F4 damage was observed on the west side of Dover where a steel-reinforced concrete building only had a few walls remaining; large vehicles were rendered apart; mobile homes frames were wrapped around tree trunks; and trees lost all their branches and most of their bark. One woman was killed inside a large frame home that collapsed. Approximately 34 mobile homes and houses were either damaged or destroyed in Dover. Outside of Dover, damage was rated primarily F1 and was confined to trees, telephone poles, farm equipment, and outbuildings. While tornado E6 continued moving northeast of Dover, another tornado, E7, formed about 3 miles northeast of Dover. This tornado formed near tornado E6 and tracked north-northeast for 4 miles over open county. F1 damage to



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Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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OKLAHOMA, Western, Central and Southeast

trees, telephone poles, farm equipment, and outbuildings was observed.

To avoid confusion with F-scale ratings, no storm F was assigned. The fifth tornadic supercell, storm G, produced 6 tornadoes, 2 which produced F3 damage. The 1st tornado, G1, formed near the southwest edge of El Reno in Canadian County just southwest of Interstate 40 and County Club Rd. Minor damage, rated F0, was confined to trees, ballfield equipment at Redlands Community College, and a few roofs. The 2nd tornado, G2, formed about 1 mile northeast of El Reno in Canadian County and tracked north for 22 miles, varying in width from 100 to 500 yards, before dissipating 8 miles south-southwest of Kingfisher in Kingfisher County. Two mobile homes were destroyed, and 3 other homes received F1 damage. The remainder of damage was confined to telephone poles, trees, and outbuildings. About 2.5 miles into the path of the tornado, F2 damage occurred, and the top of a 500 ft. transmission tower was blown off. Near the end of the tornado path, F3 damage occurred about 9 miles southeast of Kingfisher, where a 3000 pound oil storage tank was moved for 1/2 of a mile. While the tank rolled for some distance, it was clear the tank was airborne. Trees in this area were also partially debarked. The 3rd tornado, G3, formed 2 miles southwest of Cashion in Kingfisher County and produced only minor damage, F0, as it tracked northeast for 3 miles to near the Kingfisher/Logan County border. The 4th tornado, G4, was very short-lived and formed about 8 miles east of Kingfisher in Kingfisher County. The tornado was less than 50 yards wide and damaged outbuildings and trees (F0) as it moved northeast across Highway 33. A description of the 5th tornado, G5, was listed above with tornado B20. Tornado G5 tracked over nearly the same portion of Logan County as tornado B20. At times, damage caused by tornado B20 was indistinguishable from damage caused by tornado G5. The 6th and final tornado (G6) produced by storm G, formed about 3 miles south-southwest of Mulhall in Logan County, just south of the damage track produced by another tornado (B20) that moved through Mulhall earlier in the evening. Although somewhat difficult to determine, due to possible damage from tornado B20, the most extensive damage (F2) from this tornado is believed to have consisted of major structural damage to a brick house near the intersection of Highway 77 and EW 68, where the majority of the roof was ripped off, and one exterior wall was partially knocked down. Additional damage occurred to a railroad crossing, trees, and power poles

Storm H spawned 4 tornadoes. The first tornado, H1, formed 2 miles east-southeast of Omega in Kingfisher County and was reported by a storm chaser. No significant damage is believed to have occurred (F0). The 2nd tornado, H2, formed about 3 miles northwest of Dover in Kingfisher County and was determined from storm chaser accounts and a damage survey. Damage, rated F0, consisted of snapped and uprooted trees. The 3rd tornado, H3, formed about 1 mile east-southeast of Hennessey in Kingfisher County and moved to the east-southeast for 1 mile. Major damage, rated high-end F2, was inflicted to one farm house and an old abandoned house near the beginning of the tornado track, and a handful of outbuildings were completely destroyed. Additionally, heavy farm equipment was moved several hundred yards, and trees sustained major damage. The 4th and final tornado, H4, formed 3 miles southwest of Marshall in Logan County and tracked over mostly rural land, affecting 2 residences before dissipating in southeast Garfield County. An old, abandoned house near Marshall in northwest Logan County was completely destroyed (F2). Damage at another residence in southeast Garfield County included 3 destroyed grain bins, 1 which was tossed about a 1/2 mile. A pole barn was also destroyed with the remnants strewn about a 150 yard wide area, and an addition to a house was ripped off. Massive trees some with trunk diameters the size of a small car where also ripped completely out of the ground and tossed up to 200 yards. This tree damage occurred over an area covering several miles and overlapped the Logan/Garfield County border

The final tornado producing thunderstorm, storm I, produced just one tornado. This tornado, I1, formed 6 miles south of Ringwood in Major County and unroofed an office building of a feed lot, while also damaging an irrigation system. Damage caused by this tornado was rated F1.

There were also numerous reports of large hail and damaging straight-line winds during the tornado outbreak. Hail to the size of softballs (4.5 inches) smashed hundreds of vehicles and damaged many buildings 5 miles north of Altus in Jackson County. At least 400 individual claims were received by local insurance offices with total damage near \$800,000, and in Weatherford in Custer County, hail to the size of baseballs (2.75 inches) dented vehicles and broke many windows. Straight-line winds blew the roof off an apartment complex in the 100 block of McCormick in the Western Hills area of Weatherford in Custer County, ripped the roof off a barn 3 miles north of Altus in Jackson County, and blew out windows of a trailer 1 mile east of Blair in Jackson County. Straight-line winds also caused widespread tree damage 10 miles northeast of Hennessey in Kingfisher County, blew down power poles 5 miles east of Perry in Noble County, and knocked down large tree limbs 5 miles east-southeast of Elmer in Jackson County.

Cleveland County 7 NNE Norman to 9 NNE Norman	04	0600CST 0603CST	2	50	0	0	1K		Tornado (F0)
Cleveland County Norman	04	0600CST			0	0	2K		Thunderstorm Wind
Kay County Ponca City	04	0600CST			0	0	10K		Lightning
Kay County Ponca City	04	0600CST			0	0	1K		Thunderstorm Wind



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OKLAHOMA, Western, Central and Southeast									
Oklahoma County Midwest City	04	0615CST			0	0			Hail (0.88)
Canadian County 1 SE Union City	04	0620CST			0	0			Hail (1.00)
Jackson County Friendship	04	0645CST			0	0			Hail (0.88)
Kay County 3 E Ponca City	04	0655CST			0	0	0.50K		Thunderstorm Wind
Kay County Ponca City	04	0655CST			0	0	0.10K		Thunderstorm Wind
Lincoln County Agra	04	0707CST			0	0	0.10K		Thunderstorm Wind
Oklahoma County Oklahoma City	04	0710CST			0	0			Hail (1.00)
			Hail was reported about 1 mile south of Wiley Post Airport						
Payne County Yale	04	0730CST			0	0	20K		Lightning
Garvin County Pauls Valley	04	0800CST			0	0	0.50K		Thunderstorm Wind
Comanche County 3 S Elgin	04	0845CST			0	0			Hail (0.88)
Atoka County Atoka	04	0930CST			0	0			Thunderstorm Wind (G52)
Oklahoma County 4 N Bethany	04	0930CST			0	0			Hail (1.00)
Pontotoc County Allen	04	1138CST			0	0			Hail (1.00)
Stephens County Duncan	04	1420CST			0	0	0.10K		Thunderstorm Wind

Severe thunderstorms affected parts of southwest and central Oklahoma from early morning through mid-afternoon of the 4th. One tornado, rated F0, was observed by 2 persons about 7 miles north-northeast of Norman in Cleveland County, near Stanley Draper Lake. The only known damage occurred to fences, which were blown down near the intersection of Midwest Blvd. and SE 149th. There were also numerous reports of straight-line wind damage associated with other severe thunderstorms. Several trees were blown down at 0600 CST on Pecan Rd. and Kyme Rd. in Ponca City in Kay County. Trees were reported down again in Ponca City at 0655 CST, and power lines were downed 3 miles east of Ponca City. The last report of damage from Kay County involved a lightning strike. Lightning struck the roof of a house on North 5th St. in Ponca City, causing a large fire. Lightning also struck a barn in Yale in Payne County, setting it on fire, which then spread to a nearby barn. Other reports of damage included a blown down fence at the Postal Service Training Center in Norman in Cleveland County, large tree limbs blown down in Agra in Lincoln County, large tree limbs and power lines downed in Pauls Valley in Garvin County, and a large tree blown down at Elks Country Club in Duncan in Stephens County.

OKZ016

Custer

04 1200CST 0 3 15K High Wind

High winds, not associated with a thunderstorm, blew a trailer over on Interstate 40 just west of Clinton. Three persons in the trailer were injured.



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OKLAHOMA, Western, Central and Southeast

Kingfisher County 10 SSE Omega	04	1730CST			0	0			Thunderstorm Wind (G52)
Logan County Orlando	04	1800CST			0	0			Hail (1.00)
Logan County 1 S Orlando	04	1800CST			0	0			Hail (0.75)
Bryan County Durant	05	0555CST			0	0	0.10K		Thunderstorm Wind (G57)
Bryan County Bokchito	05	0620CST			0	0	0.10K		Thunderstorm Wind

An isolated severe thunderstorm developed over Bryan County during the early morning of the 5th, resulting in numerous downed trees in Durant and Bokchito.

Beckham County 4 ESE Erick	09	1655CST			0	0	15K		Thunderstorm Wind (G58)
Ellis County 5 E Arnett	09	1708CST			0	0	0.01K		Thunderstorm Wind
Winds were estimated between 60 mph and 80 mph.									
Dewey County 4 WNW Camargo	09	1725CST			0	0			Thunderstorm Wind (G50)
Washita County 3 W Canute	09	1725CST			0	0			Hail (0.75)
Woodward County Woodward	09	1734CST			0	0			Thunderstorm Wind (G55)
Beckham County 7 SW Elk City	09	1745CST			0	0	15K		Thunderstorm Wind
Kiowa County 12 NW Lone Wolf	09	1748CST			0	0			Thunderstorm Wind (G50)
Custer County 5 W Custer City	09	1750CST			0	0			Thunderstorm Wind (G56)
Dewey County 3 N Putnam	09	1750CST			0	0			Thunderstorm Wind (G50)
Harper County 15 SE Selman	09	1800CST			0	0			Thunderstorm Wind (G52)
Woods County Freedom	09	1805CST			0	0			Thunderstorm Wind (G54)
Greer County 10 W Mangum	09	1811CST			0	0			Hail (0.75)
Kiowa County 6 SSW Lone Wolf	09	1811CST			0	0			Hail (0.75)
Blaine County Canton	09	1815CST			0	0	20K		Thunderstorm Wind
Blaine County Watonga	09	1815CST			0	0			Thunderstorm Wind (G52)
Custer County 5 NE Thomas	09	1815CST			0	0			Thunderstorm Wind (G52)
Woodward County 6 N Mooreland	09	1815CST			0	0			Thunderstorm Wind (G52)



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May 1999

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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OKLAHOMA, Western, Central and Southeast

Kiowa County 3 SE Cooperton	09	1827CST			0	0			Hail (0.88)
Kiowa County Gotebo	09	1841CST			0	0			Hail (0.75)
Alfalfa County Ingersoll	09	1850CST			0	0	25K		Thunderstorm Wind
Major County 4 S Ringwood	09	1853CST			0	0			Hail (0.75)
Jackson County 9 S Altus	09	1914CST			0	0			Thunderstorm Wind (G50)
Tillman County 4 S Tipton	09	1925CST			0	0			Thunderstorm Wind (G59)
Kiowa County Roosevelt	09	1930CST			0	0			Hail (0.75)
Caddo County 8 S Carnegie	09	2000CST			0	0			Hail (0.75)
Comanche County Fletcher	09	2034CST			0	0			Hail (1.00)
Caddo County 1 NE Cyril	09	2036CST			0	0			Hail (1.00)
Grady County 8 N Verden	09	2040CST			0	0			Hail (1.00)
Tillman County 3 WNW Grandfield	09	2055CST			0	0			Thunderstorm Wind (G59)
Stephens County 2 NE Marlow	09	2105CST			0	0			Thunderstorm Wind (G63)
Cleveland County Norman	09	2135CST			0	0			Hail (0.88)
		Hail was reported near the intersection of NE 12th and Rock Creek.							
Johnston County Tishomingo	09	2339CST			0	0			Hail (0.88)
Atoka County 5 E Stringtown	10	0015CST			0	0			Hail (0.88)
Bryan County Colbert	10	0110CST			0	0			Hail (0.75)

Severe thunderstorms affected a large part of western Oklahoma and a small portion of central Oklahoma from late afternoon through the evening of the 9th. In addition to numerous reports of 60 mph winds and large hail, a mobile home was blown over 4 miles east-southeast of Erick in Beckham County; the roof of a mobile home was blown off 7 miles southwest of Erick, also in Beckham County; the steeple was blown off of Canton Christian Church in Canton in Blaine County; and large tree limbs were downed 5 miles east of Arnett in Ellis County. The final report of damage came from Alfalfa County where a roof was ripped off a mobile home, a storage trailer was blown over, and signs were downed.

Atoka County Atoka	11	1905CST			0	0			Hail (0.75)
Kiowa County .5 S Hobart	15	1857CST			0	0			Hail (0.88)



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May 1999

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					Killed	Injured	Property	Crops	
<u>OKLAHOMA, Western, Central and Southeast</u>									
Kiowa County 7 S Hobart	15	1910CST			0	0			Hail (1.00)
Kiowa County .5 S Hobart	15	1910CST			0	0			Hail (0.88)
Kiowa County 4 SW Hobart	15	1915CST			0	0			Hail (1.00)
Beckham County Erick	16	1827CST			0	0			Hail (1.75)
Beckham County Erick	16	1829CST			0	0			Hail (0.75)
Woods County Waynoka	16	1830CST			0	0			Hail (1.00)
Dewey County Selling	16	1835CST			0	0			Hail (1.75)
Dewey County Selling	16	1835CST			0	0	0.50K		Thunderstorm Wind
Greer County 15 NW Willow	16	1840CST			0	0			Thunderstorm Wind (G52)
Beckham County Sayre	16	1900CST			0	0	20K		Thunderstorm Wind
Jackson County Altus	16	1900CST			0	0	0.20K		Lightning
Roger Mills County 7 N Cheyenne	16	1900CST			0	0			Hail (0.75)
Roger Mills County 1 NW Cheyenne	16	1900CST			0	0			Thunderstorm Wind (G51)
Beckham County 5 N Carter	16	1920CST			0	0			Thunderstorm Wind (G52)
Woodward County 3 S Sharon	16	1927CST			0	0			Hail (2.50)
Greer County Mangum	16	1930CST			0	0	3K		Thunderstorm Wind
Dewey County Camargo	16	1932CST			0	0			Hail (0.75)
Beckham County Elk City	16	1945CST			0	0	40K		Thunderstorm Wind
Custer County 5 SW Butler	16	1945CST			0	0			Thunderstorm Wind (G50)
Woods County 14 NE Camp Houston	16	1945CST			0	0			Hail (1.00)
Washita County 3 W Canute	16	1950CST			0	0			Thunderstorm Wind (G61)
Blaine County Watonga	16	2000CST			0	0	0.50K		Thunderstorm Wind
Custer County Arapaho	16	2030CST			0	0			Thunderstorm Wind (G61)



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May 1999

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<u>OKLAHOMA, Western, Central and Southeast</u>									
Woods County 18 NW Lookout	16	2030CST			0	0			Hail (1.25)
Woodward County 15 N Mooreland	16	2030CST			0	0			Hail (1.00)
Tillman County Frederick	16	2045CST			0	0	2K		Thunderstorm Wind
Woods County 8 NE Lookout	16	2045CST			0	0			Thunderstorm Wind (G52)
Tillman County 2 W Hollister	16	2055CST			0	0			Thunderstorm Wind (G52)
Kingfisher County Loyal	16	2110CST			0	0			Thunderstorm Wind (G56)
Comanche County Faxon	16	2115CST			0	0			Hail (0.88)
Cotton County 15 N Walters	16	2120CST			0	0			Thunderstorm Wind (G52)
Garfield County Drummond	16	2124CST			0	0			Thunderstorm Wind (G52)
Garfield County Garber	16	2128CST			0	0	5K		Thunderstorm Wind
Major County Orienta	16	2130CST			0	0	25K		Thunderstorm Wind
Major County Fairview	16	2135CST			0	0	2K		Lightning
Major County Ames	16	2145CST			0	0	2K		Thunderstorm Wind
Garfield County Enid	16	2154CST			0	0	55K		Lightning
Stephens County 1 W Marlow	16	2155CST			0	0			Hail (0.88)
Stephens County 1 W Marlow	16	2159CST			0	0			Hail (1.00)
Stephens County 1 W Marlow	16	2207CST			0	0			Thunderstorm Wind (G50)
Stephens County Duncan	16	2210CST			0	0	35K		Thunderstorm Wind
Stephens County 6 SW Marlow	16	2210CST			0	0	2K		Thunderstorm Wind
Grady County 6 SE Rush Spgs	16	2215CST			0	0			Hail (0.88)
Kay County 8 E Ponca City	16	2245CST			0	0	5K		Thunderstorm Wind
Stephens County 5 E Bray	16	2245CST			0	0	1K		Thunderstorm Wind
Cotton County 5 N Randlett	16	2300CST			0	0			Hail (1.00)



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May 1999

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<u>OKLAHOMA, Western, Central and Southeast</u>									
Garvin County Maysville	16	2340CST			0	0	15K		Thunderstorm Wind
Garvin County Pauls Valley	16	2345CST			0	0	0.10K		Thunderstorm Wind
Seminole County 1.5 S Seminole to 1 N Seminole	16	2348CST 2358CST			0	0	200K		Thunderstorm Wind (G61)
Seminole County 4 E Seminole	17	0003CST			0	0	5K		Thunderstorm Wind
Blaine County Geary	17	0100CST			0	0			Hail (1.00)
Blaine County Watonga	17	0100CST			0	0	1K		Lightning
Cleveland County Norman	17	0129CST			0	0			Hail (1.75)
			Hail was reported on the University of Oklahoma campus.						
Mcclain County Goldsby	17	0130CST			0	0			Hail (1.75)
Mcclain County Goldsby	17	0130CST			0	0			Thunderstorm Wind (G56)
Kingfisher County 3 S Kingfisher	17	0150CST			0	0			Hail (0.88)
Canadian County 8 E Okarche	17	0200CST			0	0			Hail (0.75)
Garfield County 3 S Fairmont	17	0300CST			0	0			Hail (0.75)

Severe thunderstorms formed over portions of western Oklahoma during the evening of the 16th, and moved into portions of central Oklahoma during the early morning of the 17th. In Beckham County, several trees and a mobile home were blown over in Sayre, and in Elk City, two barns were blown down; trees were uprooted, and the Grandview Assembly of God Church was damaged. A trampoline was destroyed at Sander Sporting Goods and ATV's in Seiling in Dewey County. A power pole was blown over onto a small building in Mangum in Greer County. Numerous trees were downed in Watonga in Blaine County. Large tree limbs and a fence were blown down at the intersection of 14th and Hermosa in Frederick in Tillman County. The roof of Garber High School was damaged in Garber in Garfield County. One mobile home was destroyed, and 1 mobile home was damaged in Orienta in Major County, and the roof of a barn was blown off in Ames in Major County. In Stephens County, a barn was destroyed 6 miles southwest of Marlow; several trees were downed on State Highway 29, and a dog was killed 5 miles east of Bray, while in Duncan, also in Stephens County, the roof and doors were ripped off a storage building at Duncan Industrial Authority; another storage trailer was blown over; power poles were downed, and minor structural damage occurred to the Gatlin Baptist Church. Another barn was destroyed 8 miles east of Ponca City in Kay County, numerous trees downed in Pauls Valley in Garvin County, while in Maysville, also in Garvin County, trees were downed onto 2 vehicles; a barn was damaged; and a dog kennel was destroyed. Across Seminole County, outhouses and trees were damaged 4 miles east of Seminole, and major straight-line wind damage was reported from 1.5 miles south of Seminole to 1 mile north of Seminole. This damage included roof damage to Van Sanford Apartments, National Guard Amory, Medicus, and a motor pool. In addition, a bus hood was destroyed at Lincoln School; portable bleachers were damaged at a little league park and softball park; a dugout was damaged at a ballpark; a garden center at WalMart was damaged; the roof and windows at Happy Foods were damaged; numerous vehicles were damaged; signs were downed, and many trees were blown down.

Lightning strikes were responsible for some damage as well. Lightning struck a power pole on Veteran's Drive in Altus in Jackson County, knocking out power to several businesses for several hours. Lightning struck a barn in Fairview in Major County, setting it on fire, and lightning struck the roof of a house on Cellardoor Lane in Enid in Garfield County, causing a major fire that destroyed the house. The final report of a lightning strike came from Watonga in Blaine County, where lightning struck the control box of a warning alarm system for Watonga, destroying it and setting off numerous false alarms.



National Weather Service

Storm Data and Unusual Weather Phenomena



May 1999

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
OKLAHOMA, Western, Central and Southeast									
Oklahoma County									
Oklahoma City	20	1422CST			0	0			Hail (0.75)
Hail was reported at a north Oklahoma City television station.									
Harper County									
7 WNW Laverne	20	1755CST 1800CST			0	0			Hail (0.75)
Ellis County									
3 N Catesby	20	1835CST			0	0			Thunderstorm Wind (G61)
Ellis County									
9 NE Catesby	20	1847CST			0	0			Thunderstorm Wind (G52)
Ellis County									
10 N Gage	20	1910CST			0	0			Thunderstorm Wind (G52)
Ellis County									
9 N Gage	20	1914CST			0	0			Hail (0.75)
Woodward County									
4 NW Tangier	20	1920CST			0	0			Thunderstorm Wind (G52)
Jackson County									
9 W Eldorado	20	2055CST			0	0			Hail (0.75)
Jackson County									
Eldorado	20	2110CST			0	0			Hail (1.00)
Greer County									
Granite	20	2120CST			0	0			Hail (0.75)
Alfalfa County									
9 NE Amorita	20	2130CST			0	0			Hail (1.75)
Kiowa County									
2 S Lone Wolf	20	2135CST			0	0			Hail (0.88)
Alfalfa County									
10 E Byron	20	2145CST 2155CST			0	0			Hail (1.00)
Grant County									
10 W Wakita	20	2145CST 2155CST			0	0			Hail (1.00)
Grant County									
9 W Wakita	20	2215CST			0	0			Hail (0.88)
Major County									
Fairview	20	2243CST			0	0			Hail (0.75)
Garfield County									
5 W Bison	20	2330CST			0	0			Hail (1.00)
Garfield County									
5 W Bison	20	2330CST			0	0			Thunderstorm Wind (G52)
Payne County									
Stillwater	21	0045CST			0	0			Thunderstorm Wind (G52)
Payne County									
4 W Stillwater	21	0047CST			0	0			Hail (0.88)
Payne County									
1 NE Perkins	21	0100CST			0	0			Hail (1.00)
Carter County									
Wilson	21	0315CST			0	0			Hail (0.75)



National Weather Service

Storm Data and Unusual Weather Phenomena



May 1999

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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OKLAHOMA, Western, Central and Southeast

Carter County Wilson	21	0315CST			0	0			Thunderstorm Wind (G52)
Harper County Buffalo	22	0450CST			0	0			Hail (0.75)
Alfalfa County 1 N Carmen	22	1153CST			0	0			Hail (0.75)
Kay County 8 NE Newkirk	22	1223CST			0	0			Hail (0.88)
Noble County 7 W Red Rock	22	1437CST			0	0			Hail (1.00)
Noble County Red Rock	22	1502CST			0	0			Hail (0.88)
Noble County Red Rock	22	1515CST			0	0			Hail (1.00)
Kay County Ponca City	22	1542CST			0	0			Hail (1.75)
Kay County Ponca City	22	1550CST			0	0			Thunderstorm Wind (G52)
Kay County East Portion	22	1610CST			0	0	0		Flood
Payne County 3 SE Glencoe	22	1655CST			0	0			Hail (0.75)
Payne County Yale	22	1725CST			0	0			Hail (1.25)
Payne County 6 N Cushing	22	1728CST			0	0			Hail (1.00)

Severe thunderstorms affected portions of northern Oklahoma during the afternoon and early evening of the 22nd, resulting in many reports of large hail and flooding across portions of eastern Kay County, where many roads were reported to be flooded

Kay County Newkirk	23	0130CST			0	0	0		Flood
Kay County Ponca City	23	0130CST			0	0	0		Flood
Oklahoma County Tinker Afb	23	0130CST			0	0			Hail (0.75)

Isolated thunderstorms developed over portions of central Oklahoma during the early morning of the 23rd. Flooding was reported in Newkirk in Kay County at the intersection of County Shed Road and Peckham Road, and in Ponca City, also in Kay County, where many streets were flooded.

Harmon County 4 NE Madge	25	1700CST			0	0			Hail (0.75)
Harmon County 5 N Madge	25	1715CST	0.1	25	0	0	0		Tornado (F0)
Harmon County 6 E Vinson	25	1731CST	0.2	25	0	0	0		Tornado (F0)



National Weather Service

Storm Data and Unusual Weather Phenomena



May 1999

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<u>OKLAHOMA, Western, Central and Southeast</u>									
Greer County 11 W Mangum	25	1751CST	0.1	25	0	0	0		Tornado (F0)
Greer County 1 SW Russell	25	1804CST	0.2	25	0	0	0		Tornado (F0)
Greer County 6 SW Mangum	25	1805CST			0	0			Hail (1.25)
Greer County 2 SSW Mangum	25	1811CST			0	0		100K	Hail (2.75)
Jackson County Martha	25	1834CST			0	0			Hail (1.00)
Jackson County 3 W Altus Afb to 3 SW Altus Afb	25	1835CST 1841CST	1.5	50	0	0	0		Tornado (F0)
Jackson County Altus	25	1838CST			0	0			Hail (1.75)
Jackson County Altus	25	1840CST			0	0			Hail (2.75)
Jackson County Altus	25	1850CST			0	0	500K	100K	Hail (4.50)
Jackson County Altus	25	1855CST			0	0			Hail (1.50)
Jackson County 6 E Altus	25	1910CST			0	0			Hail (1.00)
Tillman County 11 WSW Manitou to 9 SW Manitou	25	1916CST 1922CST	1.5	50	0	0	0		Tornado (F0)
Tillman County 4 S Tipton	25	1930CST			0	0			Thunderstorm Wind (G57)
Tillman County 2 W Frederick	25	1937CST			0	0			Hail (1.25)
Tillman County Frederick	25	1945CST			0	0			Hail (0.75)
Tillman County Frederick	25	1945CST			0	0			Thunderstorm Wind (G52)
Jackson County Altus	25	2021CST			0	0			Thunderstorm Wind (G56)

Severe thunderstorms spawned 6 tornadoes and produced very large hail over portions of western Oklahoma during the evening of the 25th. Fortunately, all of the tornadoes touched down in sparsely populated areas with no known damage. Thus, all were rated F0. The first tornado formed 5 miles north of Madge in Harmon County and was on the ground for only a short period of time. The 2nd tornado was reported by an amateur radio operator 6 miles east of Vinson in Harmon County. The tornado touched down in an open field with no known damage. The 3rd tornado was also witnessed by an amateur radio operator and formed 11 miles west of Mangum in Greer County. The tornado was on the ground for only a short period of time before dissipating. The 4th tornado was reported by Altus EOC in Jackson County, touching down briefly in an open field with no known damage. The 5th tornado was seen about 3 miles west of Altus Air Force Base, also in Jackson County, and dissipated 6 minutes later with no damage. The 6th tornado was observed by a reserve deputy in Manitou in Tillman County, touching down west of Manitou with no known damage. In Altus in Jackson county, hundreds of homes, numerous businesses, and the Altus High School Vo-tech center suffered major damage due to giant hail, occasionally to the size of softballs (4.5 inches in diameter). Significant damage also occurred to wheat and cotton crop in Altus and in Greer County, 2 miles south-southwest of Mangum.



National Weather Service

Storm Data and Unusual Weather Phenomena



May 1999

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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OKLAHOMA, Western, Central and Southeast

Greer County

1 E Mangum	27	1312CST			0	0			Flash Flood
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Tillman County

Frederick	27	1930CST			0	0	60K		Flash Flood
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Slow moving thunderstorms formed over portions of southwest Oklahoma during the afternoon and evening of the 27th, resulting in flooding. Several houses were reported to be flooded in Frederick in Tillman County, and 2 homes needed to be evacuated. Portions of State Route 36, and State Route 5 in Tillman County were also reported to be covered by water. In Greer County, water was reported to be covering portions of State Highway 283, 1 mile east of Mangum

Marshall County

Willis	29	0130CST			0	0			Flash Flood
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Several roads, including Powell Road, were reported closed due to high water just northwest of the town of Willis.

Kay County

3 W Blackwell	31	0555CST			0	0			Flash Flood
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Kay County

Ponca City	31	0555CST			0	0			Flash Flood
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Grant County

Renfrow	31	0730CST			0	0			Flash Flood
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Thunderstorms formed over parts of north central Oklahoma during the early morning of the 31st, resulting in flooding across portions of Kay and Grant Counties. In Kay County, 3 miles west of Blackwell, portions of State Route 11 were reported to be covered by water, and in Ponca City, several roads were covered by high water. In Grant County, State Highway 81 was closed from Renfrow to the Kansas state line due to high water.

Jackson County

2 W Duke	31	1622CST			0	0			Hail (1.75)
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Jackson County

7 W Duke	31	1625CST			0	0			Hail (2.00)
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Jackson County

3 W Duke	31	1629CST			0	0			Hail (1.25)
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Jackson County

8 S Duke	31	1634CST			0	0			Hail (1.75)
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Greer County

Mangum	31	1643CST			0	0			Hail (0.88)
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Jackson County

4 E Duke	31	1647CST			0	0			Hail (2.50)
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Jackson County

5 E Duke	31	1649CST			0	0			Hail (2.75)
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Greer County

Mangum	31	1650CST			0	0			Hail (1.75)
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Jackson County

5 W Altus	31	1700CST			0	0			Hail (1.75)
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Greer County

Granite	31	1701CST			0	0			Hail (1.75)
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National Weather Service

Storm Data and Unusual Weather Phenomena



May 1999

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<u>OKLAHOMA, Western, Central and Southeast</u>									
Jackson County Altus	31	1708CST			0	0			Hail (1.75)
Kiowa County Lone Wolf	31	1708CST			0	0			Hail (0.75)
Jackson County Martha	31	1715CST			0	0			Hail (1.00)
Beckham County 3 SE Texola	31	1735CST			0	0			Hail (3.00)
Roger Mills County Cheyenne	31	1740CST			0	0			Hail (2.50)
Beckham County 9 S Erick	31	1758CST	0.1	25	0	0	0		Tornado (F0)
Woodward County 5 E Mutual	31	1800CST			0	0			Hail (0.88)
Beckham County Erick	31	1805CST			0	0			Hail (1.75)
Dewey County 4 N Lenora	31	1815CST			0	0			Hail (1.25)
Beckham County 8 SE Erick to 8.5 SE Erick	31	1818CST 1820CST	0.5	50	0	0	0		Tornado (F0)
Kiowa County Lone Wolf	31	1825CST			0	0			Hail (1.25)
Kiowa County 3 W Lone Wolf	31	1825CST			0	0			Hail (2.00)
Dewey County 12 W Taloga	31	1833CST			0	0			Hail (1.75)
Roger Mills County 2 S Cheyenne	31	1835CST			0	0			Thunderstorm Wind (G52)
Greer County Jester	31	1841CST			0	0			Hail (1.25)
Kiowa County Hobart	31	1847CST			0	0			Hail (0.88)
Dewey County Seiling	31	1850CST			0	0			Hail (1.25)
Major County 2 SE Chester	31	1855CST			0	0			Hail (1.00)
Greer County 3 SW Brinkman to 3 SSW Brinkman	31	1857CST 1901CST	1	200	0	0	0		Tornado (F0)
Woods County Alva	31	1901CST			0	0	200K		Hail (4.50)
Tillman County Frederick	31	1907CST			0	0			Hail (1.75)
Tillman County 2 S Manitou	31	1920CST			0	0			Hail (1.00)
Greer County 3 SSW Hester to 4.5 SSE Hester	31	1924CST 1929CST	1.5	100	0	0	5K		Tornado (F1)



National Weather Service

Storm Data and Unusual Weather Phenomena



May 1999

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
OKLAHOMA, Western, Central and Southeast									
Beckham County									
2 SW Delhi	31	1925CST			0	0			Flash Flood
Tillman County									
7 E Frederick	31	1926CST			0	0			Hail (1.00)
Greer County									
12 ESE Mangum	31	1928CST			0	0			Hail (1.75)
Greer County									
12 ESE Mangum	31	1928CST			0	0			Hail (1.25)
Jackson County									
2 W Martha to 1 SW Martha	31	1929CST 1932CST	1	100	0	0	0		Tornado (F0)
Woods County									
Alva	31	1930CST			0	0			Hail (1.75)
Greer County									
5 SE Mangum	31	1935CST			0	0			Thunderstorm Wind (G79)
Jackson County									
3 S Blair	31	1935CST			0	0			Thunderstorm Wind (G52)
Jackson County									
5 NE Altus	31	1937CST	0.2	50	0	0	0		Tornado (F0)
Jackson County									
Altus Muni Arpt	31	1937CST			0	0	1.2M		Thunderstorm Wind
Jackson County									
Blair	31	1940CST			0	0	20K		Thunderstorm Wind
Kiowa County									
Hobart	31	1950CST 1954CST			0	0			Thunderstorm Wind (G52)
Kiowa County									
9 SW Roosevelt to 7 SW Roosevelt	31	1951CST 1954CST	2	440	0	0	0		Tornado (F0)
Garfield County									
Enid	31	1954CST			0	0	2.5K		Lightning
Kiowa County									
Mountain View	31	1955CST			0	0			Thunderstorm Wind (G61)
Kiowa County									
Hobart	31	1958CST			0	0			Thunderstorm Wind (G61)
Jackson County									
4 E Friendship	31	2004CST			0	0			Thunderstorm Wind (G52)
Kiowa County									
Tom Steed Res to 5 E Snyder	31	2010CST 2030CST			0	0	200K	100K	Thunderstorm Wind
Kiowa County									
2 S Roosevelt	31	2012CST			0	0			Hail (1.00)
Kiowa County									
4 S Roosevelt	31	2015CST			0	0			Hail (1.75)
Woods County									
16 NE Freedom	31	2015CST			0	0			Thunderstorm Wind (G68)
Kiowa County									
Roosevelt	31	2020CST			0	0			Hail (0.88)



National Weather Service

Storm Data and Unusual Weather Phenomena



May 1999

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<u>OKLAHOMA, Western, Central and Southeast</u>									
Kiowa County 1 S Snyder	31	2020CST			0	0			Hail (1.50)
Woods County 16 NE Freedom	31	2020CST			0	0			Thunderstorm Wind (G74)
Kiowa County Mountain Park	31	2022CST			0	0			Hail (1.75)
Kiowa County Snyder	31	2022CST			0	0			Hail (1.75)
Caddo County 2 W Cyril	31	2023CST			0	0			Thunderstorm Wind (G61)
Woods County 14 NE Camp Houston	31	2025CST			0	0			Hail (1.00)
Comanche County 4 W Indianahoma to Lawton	31	2030CST 2100CST			0	3	5M		Thunderstorm Wind
Kiowa County 5 N Snyder	31	2030CST			0	0			Hail (1.75)
Kiowa County 6 E Snyder	31	2030CST			0	0			Hail (2.00)
Kiowa County Tom Steed Res	31	2030CST			0	0	30K		Thunderstorm Wind (G69)
Woods County 16 NE Freedom	31	2030CST			0	0			Thunderstorm Wind (G57)
Kiowa County 9 E Snyder	31	2033CST			0	0			Hail (2.00)
Kiowa County Roosevelt	31	2036CST			0	0			Flash Flood
Kiowa County 3 W Mountain Park	31	2037CST			0	0			Hail (1.75)
Comanche County Indianahoma	31	2040CST			0	0			Hail (2.00)
Comanche County 3 W Medicine Park	31	2040CST			0	0			Thunderstorm Wind (G52)
Comanche County Cache	31	2048CST			0	0			Hail (2.75)
Comanche County Ft Sill Aaf	31	2055CST			0	0			Thunderstorm Wind (G81)
Cotton County 3 N Walters	31	2055CST			0	0			Hail (1.00)
Kiowa County Mountain View	31	2058CST			0	0	5K		Thunderstorm Wind
Comanche County Lawton	31	2110CST			0	0			Hail (1.75)
Grady County Ninnekah	31	2115CST			0	0			Thunderstorm Wind (G56)
Alfalfa County Byron	31	2126CST			0	0			Hail (1.75)



National Weather Service

Storm Data and Unusual Weather Phenomena



May 1999

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<u>OKLAHOMA, Western, Central and Southeast</u>									
Alfalfa County 2 N Cherokee	31	2145CST			0	0	2K		Thunderstorm Wind
Stephens County Duncan	31	2145CST			0	0	1K		Thunderstorm Wind
Stephens County Marlow	31	2145CST			0	0	1.1K		Thunderstorm Wind
Grady County 1.5 W Rush Spgs	31	2200CST			0	0	20K		Lightning
Alfalfa County 3 W Jet to 1.5 N Jet	31	2207CST 2210CST	2	75	0	0	2K		Tornado (F0)
Grady County Rush Spgs	31	2215CST			0	0	0.10K		Thunderstorm Wind
Garfield County 3 E Hunter	31	2305CST			0	0	40K		Thunderstorm Wind

Severe thunderstorms affected much of western Oklahoma and portions of central Oklahoma during the afternoon and evening of May 31st, and the early morning of June 1st. Although 7 tornadoes were confirmed across western Oklahoma, all on the 31st, only 2 of them caused damage. The most extensive damage during this severe weather outbreak was caused by straight-line winds and occurred across southern Kiowa and western Comanche Counties during the evening of the 31st. A very large swath of damaging straight-line winds developed on the west side of Tom Steed Lake in southern Kiowa County and expanded in coverage as it moved through all of southern Kiowa County, at times 10 to 15 miles wide. Power poles and power lines were downed, and a house received 2 broken windows and minor roof damage 3 miles west of Mountain Park. Power lines were downed 4 miles south of Roosevelt. Several trees were downed, and windows were broken at a lumber yard in Snyder, and power lines were reported down on Highway 183 between Snyder and Roosevelt. Major damage was also reported to wheat and cotton crop. Winds across southern Kiowa County were estimated between 80 and 100 mph. This 10-15 mile-wide area of damaging winds continued to move east out of southern Kiowa County and across much of western and central Comanche County. Winds were mostly in the 80 to 100 mph range, however in the Pecan Valley Subdivision located just outside of the northwest Lawton city limits, winds are believed to have reached 110 mph to 130 mph. As the thunderstorm winds spread east across Lawton and Fort Sill, they gradually decreased, but still caused tree, power line, and roof damage. In total, across Comanche County, 5 single family homes were destroyed; 4 single family homes under construction were destroyed; 58 single family homes and 8 businesses sustained major damage; and 150 single family homes sustained minor damage. Damage was estimated at 5 million dollars. Three injuries were also reported.

The 1st tornado was reported by the Beckham County Emergency Manager doing no damage (F0) 9 miles south of Erick in Beckham County. The 2nd tornado was reported by a storm chaser 8 miles southeast of Erick in Beckham County and was captured on video. No damage was reported (F0). The 3rd tornado was witnessed by several persons and formed 3 miles southwest of Brinkman in Greer County, however no damage was observed (F0). The 4th tornado was reported by Greer County Emergency Management 3 miles south-southwest of Hester in Greer County. In Hester, a porch roof was ripped off from a house; house siding was blown off, and trees and power lines were downed. No damage was associated with the tornado as it moved into Jackson County and dissipated 1 mile southwest of Martha. This tornado was rated F1 in Greer County and F0 in Jackson County. Two storm chasers observed the 5th tornado as it formed in an open field, 5 miles northeast of Altus in Jackson County. No damage was reported (F0). The 6th tornado was captured on video as it formed about 1/2 mile south of Highway 19 near the North Red River in Kiowa County, or about 9 miles southwest of Roosevelt. Although this tornado was reported to be 1/4 of a mile wide, no structures or trees were affected, so it was rated F0. The last tornado, the 7th of the outbreak, was confirmed by a post-storm damage survey, performed by local law enforcement officials from Alfalfa County. They determined a weak tornado (F0), touched down 3 miles west of Jet. Trees were knocked down from 2 miles west of Jet to 1.5 miles north of Jet, while in a local cemetery, trees were downed, and marble headstones were moved 30 to 40 feet across the street.

Straight-line winds were responsible for blowing over 5 aircraft and blowing off 11 hangar doors at Altus Municipal Airport in Jackson County. In addition, 2 barns near the airport were destroyed, and roof damage was reported to several buildings. Also in Jackson County, 1 vehicle sustained major damage in Blair, while several barns were destroyed. In Kiowa County, 3 campers were overturned, and several outbuilding were destroyed near Tom Steed Reservoir, while in Mountain View, a small building was destroyed, and some tree damage was reported. In Stephens County, several power poles were downed in Duncan, and several trees and power lines were downed in Marlow. A shop was destroyed, and several trees were uprooted 3 miles east of Hunter in Garfield County; 2 power poles were blown down 2 miles north of Cherokee in Alfalfa County, and large tree limbs were downed in Rush Springs in Grady County. Hail to the size of softballs (4.5 inches in diameter) damaged hundreds of homes and vehicles in Alva in Woods County. Lightning struck the back of a 2-story residence in Enid in Garfield County, setting it on fire. Lightning also struck 2 oil tank batteries, 1.5 miles west of Rush Springs in Grady County, setting them on fire. Finally, flooding was reported across



National Weather Service

Storm Data and Unusual Weather Phenomena



May 1999

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

OKLAHOMA, Western, Central and Southeast

portions of Kiowa and Beckham Counties. In Beckham County, a road 2 miles southwest of Delhi was flooded by fast-moving, high water, while in Kiowa County, street flooding was reported in Roosevelt

Only a few reports of large hail occurred during the morning of June 1st, and the specifics can be accessed in June Storm Data.

TEXAS, Western North

Knox County Benjamin	03	1900CST			0	0			Hail (1.00)
Knox County 5 SW Benjamin	03	2000CST			0	0			Hail (0.75)
Wichita County Haynesville	03	2036CST			0	0			Hail (0.75)
Wilbarger County Vernon	03	2045CST			0	0			Hail (1.75)
Knox County Benjamin	03	2050CST			0	0			Hail (2.75)
Wilbarger County Vernon	03	2055CST			0	0	10K		Thunderstorm Wind
Wilbarger County 2.5 SW Vernon	03	2130CST			0	0	7K		Thunderstorm Wind

Scattered thunderstorms brought severe weather to western parts of North Texas during the evening of May 3rd. In addition to reports of large hail, several barns and trees were blown down in Vernon in Wilbarger County. Also in Wilbarger County, 2.5 miles southwest of Vernon, a metal barn was destroyed, and a house received minor damage.

Hardeman County Quanah	04	0635CST			0	0			Hail (0.75)
Hardeman County 12 NW Quanah	09	1825CST			0	0			Hail (0.75)
Foard County 5 W Crowell	09	1942CST			0	0			Hail (1.00)
Wilbarger County 4 E Grayback	09	2001CST			0	0			Hail (0.88)
Wichita County Electra	09	2045CST			0	0	4K		Thunderstorm Wind

Scattered thunderstorms produced isolated areas of severe weather across western parts of north Texas during the evening of the 9th. In addition to several reports of large hail, a house carport was blown away on North Highway 25, in Electra in Wichita Count.

Baylor County 4 WSW Red Spgs	15	1720CST			0	0	0.50K		Hail (1.25)
Baylor County 1 E Red Spgs	15	1725CST			0	0			Hail (0.75)
Baylor County 1 E Red Spgs	15	1735CST			0	0			Hail (1.75)
Baylor County 1 E Red Spgs	15	1741CST			0	0	0.50K		Hail (3.00)



National Weather Service

Storm Data and Unusual Weather Phenomena



May 1999

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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TEXAS, Western North

Wilbarger County									
1 W Vernon	16	2130CST			0	0			Hail (1.00)
Wilbarger County									
2 SW Vernon	16	2135CST			0	0	40K		Thunderstorm Wind
Wilbarger County									
Vernon	16	2140CST			0	0	10K		Flood
Wichita County									
Electra	16	2200CST			0	0			Hail (0.88)
Wichita County									
Kamay	16	2211CST			0	0			Thunderstorm Wind (G56)
Wichita County									
2 NE Electra	16	2214CST			0	0			Hail (0.88)
Wilbarger County									
Harrold	16	2217CST			0	0			Hail (1.00)
Wichita County									
Haynesville	16	2232CST			0	0			Hail (1.00)
Wichita County									
5 W Burkburnett	16	2245CST			0	0			Hail (1.00)

Severe thunderstorms affected western north Texas during the evening of the 16th, resulting in 1 tornado, numerous reports of large hail, and 1 report of damaging straight-line winds. The tornado was observed 2 miles north of Thalia in Foard County and was reported by a storm chaser. Damage, rated F1, included a destroyed barn, downed trees, and minor roof damage. A garage was also lifted and moved. Straight-line winds caused damage 2 miles southwest of Vernon in Wilbarger County, where 1 mobile home was damaged; 18 power poles were downed; and a windmill was destroyed. In addition, large signs were blown down onto Highway 287, and windows were blown out at the intersection of Main and Texas. Numerous roads in Vernon were reported to be covered by water, sometimes up to 18 inches deep, and several cars were stranded in high water at the 1800 block of Sand Rd. and Ross St., also in Vernon.

Hardeman County									
19 NW Quanah	20	2035CST			0	0			Hail (1.25)
Hardeman County									
10 N Goodlett	20	2037CST			0	0			Hail (1.00)
Hardeman County									
10 N Goodlett	20	2045CST			0	0			Hail (1.00)
Knox County									
Munday	25	1925CST			0	0			Hail (0.88)
Knox County									
Munday	25	1930CST			0	0			Hail (1.25)
Knox County									
3 W Munday	25	1930CST			0	0	3.5K		Thunderstorm Wind
Wichita County									
Wichita Falls	25	2110CST			0	0			Hail (1.00)
Wichita County									
Wichita Falls	25	2120CST			0	0			Hail (1.00)
Wichita County									
Sheppard Afb	25	2128CST			0	0			Hail (1.25)



National Weather Service

Storm Data and Unusual Weather Phenomena



May 1999

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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TEXAS, Western North

Clay County									
5 NW Henrietta	25	2138CST			0	0			Hail (1.00)
Clay County									
2 W Dean	25	2144CST			0	0			Hail (1.00)
Clay County									
Jolly	25	2154CST			0	0			Hail (1.00)
Hardeman County									
Quanah	25	2342CST			0	0			Hail (0.75)
Hardeman County									
Quanah	25	2345CST			0	0			Hail (0.75)
Hardeman County									
Quanah	25	2355CST			0	0			Hail (1.00)
Hail was reported on the east side of Quanah.									
Knox County									
5 W Knox City	26	0052CST			0	0			Hail (1.75)
Knox County									
Knox City	26	0105CST			0	0			Hail (1.75)
Knox County									
Knox City	26	0115CST			0	0			Hail (1.00)
Knox County									
5 W Munday	26	0120CST			0	0			Hail (0.75)
Knox County									
5 W Munday	26	0120CST			0	0			Thunderstorm Wind (G52)
Baylor County									
2 N Bomarton	26	0145CST			0	0	0.01K		Thunderstorm Wind
Knox County									
5 S Knox City	26	0445CST			0	0			Flash Flood

Severe thunderstorms affected western parts of north Texas from the evening of the 25th through the early morning of the 26th. Seven power poles were downed on Highway 222, and 2 outbuilding were destroyed 3 miles west of Munday in Knox County. Large tree limbs were downed 2 miles north of Bomarton in Baylor County, and flooding caused parts of Highway 6 in Knox County to be covered by high water 5 miles south of Knox City.

Wichita County									
East Portion	27	1450CST 1735CST			0	0	85K		Flood
Wichita County									
Burkburnett	27	1525CST			0	0	1K		Thunderstorm Wind
Archer County									
5 SW Holliday	27	1543CST			0	0			Hail (1.25)
Archer County									
Archer City	27	1604CST			0	0			Hail (0.88)
Archer County									
Archer City	27	1610CST			0	0			Hail (1.00)
Clay County									
Henrietta	27	1613CST			0	0			Hail (0.88)

Scattered severe thunderstorms affected western portions of north Texas during the afternoon of the 27th. Flooding resulted in numerous road closures in and around the town of Burkburnett in Wichita County. At one point, all roads leading into town were



National Weather Service

Storm Data and Unusual Weather Phenomena



May 1999

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

TEXAS, Western North

closed due to high water. At 1507 CST, a car was reportedly swept off of the road by flood waters at the intersection of Daniels and Bishop Road in Burkburnett. Citizens were reportedly rescued from stalled vehicles at the intersection of South Preston and Jan Lee Street and on Interstate 44 just south of Daniels Road. Flooding and road closures were also reported along portions of Interstate 44 from Sheppard Air Force Base to Burkburnett. At 1637 CST, Highway 240 was reported closed at its intersection with Farm Road 1177. Highway 240 was also closed at the intersection of Highway 369 and Eastern Road. Several homes were also flooded in the 7800 block of Old Burk Rd. near Sheppard Air Force Base. Finally, power lines were reported down in Burkburnett in the 800 block of Sycamore. The lines fell onto a tree, causing a fire which resulted in minor damage.

Knox County									
3 S Munday	31	1847CST			0	0			Hail (1.00)
Baylor County									
3 S Mabelle	31	1922CST			0	0			Hail (1.75)
Knox County									
Munday	31	1923CST			0	0			Hail (0.88)
Baylor County									
3 E Seymour	31	1932CST			0	0			Hail (1.75)
Wichita County									
3 W Burkburnett	31	2047CST			0	0			Hail (1.00)
Archer County									
10 N Archer City	31	2115CST 2120CST			0	0			Hail (0.75)
		Hail was reported near Highway 79.							
Archer County									
6 S Holliday	31	2200CST			0	0			Hail (0.88)
Wichita County									
Wichita Falls	31	2216CST			0	0			Hail (0.75)