

## Storm Data and Unusual Weather Phenomena - July 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>OKLAHOMA, Panhandle</b>				
<b>CIMARRON COUNTY --- 0.6 E BOISE CITY [36.73, -102.51]</b>				
	07/02/19 15:21 CST	0		Hail (1.25 in)
	07/02/19 15:29 CST	0		Source: Trained Spotter
Jagged quarter to half dollar size reported, with accumulating hail noted at 1523CST. Emergency Manager reported that the quarter size hail ended around 1529CST.				
<b>An isolated afternoon thunderstorm developed along a surface low pressure trough. Adequate instability allowed the thunderstorm to produce large hail.</b>				
<b>CIMARRON COUNTY --- 1.0 N BOISE CITY [36.74, -102.52]</b>				
	07/05/19 17:00 CST	0		Hail (0.75 in)
	07/05/19 17:00 CST	0		Source: Law Enforcement
<b>CIMARRON COUNTY --- WHEELS [36.72, -102.90]</b>				
	07/05/19 18:00 CST	0		Hail (1.00 in)
	07/05/19 18:00 CST	0		Source: Trained Spotter
<b>CIMARRON COUNTY --- 5.0 SE KENTON [36.85, -102.91]</b>				
	07/05/19 18:09 CST	0		Thunderstorm Wind (MG 52 kt)
	07/05/19 18:09 CST	0		Source: Mesonet
<b>CIMARRON COUNTY --- 3.0 SSE BOISE CITY [36.69, -102.50]</b>				
	07/05/19 18:28 CST	0		Thunderstorm Wind (MG 55 kt)
	07/05/19 18:28 CST	0		Source: Mesonet
Surface heating and deep mixing along a surface low pressure trough led to the development of scattered to numerous thunderstorms during the afternoon and evening. Reports of one inch hail were received in the early evening, as well as measured gusts as high as 63 MPH.				
<b>TEXAS, North Panhandle</b>				
<b>OLDHAM COUNTY --- 10.6 NNE VEGA [35.38, -102.33]</b>				
	07/03/19 19:17 CST	0		Hail (1.25 in)
	07/03/19 19:17 CST	0		Source: Storm Chaser
A spotter network report was received for quarter sized hail approximately 10 miles south of Boys Ranch along US Highway 385. There were also a few hailstones larger than 1.00 inch in diameter.				
<b>A cluster of thunderstorms developed during the late afternoon and early evening over the western Texas Panhandle. Thunderstorms developed along a surface low pressure trough in a region of enhanced low-level convergence. One storm produced hail slightly greater than quarter size.</b>				
<b>SHERMAN COUNTY --- 7.6 S LAUTZ [36.11, -102.02]</b>				
	07/05/19 19:07 CST	0		Thunderstorm Wind (EG 56 kt)
	07/05/19 19:07 CST	0		Source: Emergency Manager
Tractor-trailer flipped on US Highway 287 between Cactus and Stratford.				
<b>OCHILTREE COUNTY --- 14.3 SSE PERRYTON MUNI ARPT [36.21, -100.65]</b>				
	07/05/19 21:23 CST	0		Thunderstorm Wind (EG 52 kt)
	07/05/19 21:23 CST	0		Source: Public
Multiple large tree limbs downed and damage to recreational vehicle awnings. Time estimated from radar and KPXY surface observation.				
<b>POTTER COUNTY --- 0.6 SE AMARILLO [35.19, -101.81], 0.6 SE AMARILLO [35.19, -101.81], 0.7 SE AMARILLO [35.19, -101.81], 0.7 SE AMARILLO [35.19, -101.81]</b>				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/06/19 05:10 CST		0	Flood (due to Heavy Rain)
	07/06/19 05:10 CST		0	Source: NWS Employee
Two feet of water was observed on access road of interstate 40 in front of Tri-State Ford dealership. Three to four vehicles were stalled.				
<b>Scattered afternoon thunderstorms across the western half of the Texas Panhandle became more numerous during the evening as they moved east. By early evening the thunderstorms congealed into a line which moved across the eastern half of the Texas Panhandle during the evening of July 5 and early morning hours of July 6. During the evening damaging gusts were observed. In the early morning hours of July 6 a cluster of thunderstorms which developed near the New Mexico state line intensified and congealed into a line which moved slowly through the western half of the Texas Panhandle. These thunderstorms produced heavy rains which caused localized flooding in Amarillo.</b>				
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<b>GRAY COUNTY --- 2.0 SSE PAMPA [35.50, -100.96]</b>				
	07/09/19 18:23 CST		0	Hail (1.75 in)
	07/09/19 18:23 CST		0	Source: Trained Spotter
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<b>GRAY COUNTY --- 1.0 SE PAMPA [35.52, -100.96]</b>				
	07/09/19 18:25 CST		0	Hail (1.75 in)
	07/09/19 18:25 CST		0	Source: Trained Spotter
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<b>GRAY COUNTY --- 1.0 SSE PAMPA [35.52, -100.96]</b>				
	07/09/19 18:31 CST		0	Hail (1.00 in)
	07/09/19 18:31 CST		0	Source: Trained Spotter
Weak convergence along a surface low pressure trough led to the development of an isolated thunderstorm which produced hail up to the size of golf balls.				
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<b>RANDALL COUNTY --- 4.9 S PALO DURO CANYON STATE PARK [34.88, -101.66]</b>				
	07/10/19 12:43 CST		0	Hail (1.00 in)
	07/10/19 12:43 CST		0	Source: Public
Brief quarter size hail fell at Ceta Canyon church camp.				
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<b>POTTER COUNTY --- VALLE DE ORO [35.45, -102.11]</b>				
	07/10/19 16:23 CST		0	Hail (1.00 in)
	07/10/19 16:23 CST		0	Source: Public
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<b>POTTER COUNTY --- VALLE DE ORO [35.45, -102.11]</b>				
	07/10/19 16:55 CST		0	Hail (1.75 in)
	07/10/19 16:55 CST		0	Source: Public
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<b>HEMPHILL COUNTY --- CANADIAN [35.90, -100.38]</b>				
	07/10/19 18:12 CST		0	Hail (1.00 in)
	07/10/19 18:12 CST		0	Source: Social Media
Social media report of 1" hail in Canadian. Report relayed by local media.				
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<b>ROBERTS COUNTY --- 1.0 NNW MIAMI [35.71, -100.64]</b>				
	07/10/19 18:48 CST		0	Hail (1.00 in)
	07/10/19 18:48 CST		0	Source: Trained Spotter
Spotter noted that not much hail had fallen but the stones that he could see were the size of nickels and quarters.				
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<b>DALLAM COUNTY --- TEXLINE [36.38, -103.02]</b>				
	07/10/19 19:30 CST		0	Hail (1.00 in)
	07/10/19 19:30 CST		0	Source: Trained Spotter
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<b>HANSFORD COUNTY --- 2.9 WSW GRUVER [36.26, -101.45]</b>				
	07/10/19 22:05 CST		0	Hail (1.00 in)
	07/10/19 22:05 CST		0	Source: Public

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One inch hail reported just outside of Gruver to the west.				
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<b>OCHILTREE COUNTY --- 15.2 S WAKA [36.06, -101.05]</b>	07/10/19 22:35 CST	0		Hail (0.88 in)
	07/10/19 22:35 CST	0		Source: Trained Spotter
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<b>OCHILTREE COUNTY --- 10.0 SSE FARNSWORTH [36.15, -100.90]</b>	07/10/19 22:37 CST	0		Hail (1.00 in)
	07/10/19 22:37 CST	0		Source: Trained Spotter
Mostly pea to dime size hail with a few up to quarter size.				
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<b>ROBERTS COUNTY --- 1.0 WNW LORA [35.74, -100.57]</b>	07/10/19 23:50 CST	0		Thunderstorm Wind (EG 56 kt)
	07/10/19 23:50 CST	0		Source: Law Enforcement
Large tree blown down onto US Highway 60 at 5 Mile Park east of Miami.				
<b>A very moist post-frontal airmass became moderately unstable during the afternoon and evening. This led to the development of scattered thunderstorms across the Texas Panhandle. Several reports of hail up to 1 inch in diameter were received, along with one wind damage report late in the episode.</b>				
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<b>HANSFORD COUNTY --- 11.1 N SPEARMAN [36.36, -101.18]</b>	07/21/19 00:30 CST	0		Thunderstorm Wind (MG 50 kt)
	07/21/19 00:30 CST	0		Source: Mesonet
Scattered thunderstorms developed during the early morning hours along and behind a cold front as it moved through northern parts of the Texas Panhandle. One storm produced a gust of 58 MPH, as measured by a station of the West Texas Mesonet.				