

Storm Data and Unusual Weather Phenomena - July 2020

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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NEW MEXICO, Southeast

EDDY COUNTY --- 7.0 N ARTESIA [32.93, -104.40]

	07/15/20 15:00 MST	0		Funnel Cloud
	07/15/20 15:02 MST	0		Source: Public

A thunderstorm produced a funnel cloud/landspout about seven miles north of Artesia.

High instability was across southeast New Mexico as a result of intense surface heating. There was also a lingering outflow boundary from previous thunderstorms across the area. These conditions resulted in a thunderstorm that produced a funnel cloud in southeast New Mexico.

LEA COUNTY --- 0.7 N TATUM [33.26, -103.32]

	07/31/20 00:40 MST	0		Thunderstorm Wind (MG 53 kt)
	07/31/20 00:40 MST	0		Source: Mesonet

Strong thunderstorm embedded within a line of storms moving from NW to SE across SE New Mexico provided a severe wind gust at the Tatum mesonet in northern Lea county NM.

Upper ridge across the western US provided a NW flow regime into the the forecast area. Complex dropping over the eastern extension of the ridge out of NM provided enough surface forcing along cold pools centered over the eastern NM plains. Strong wind gusts were the primary concern with high downdraft CAPE environment available.

TEXAS, West

MIDLAND COUNTY --- 3.0 NNE MIDLAND [32.04, -102.06]

	07/02/20 17:55 CST	0		Thunderstorm Wind (EG 52 kt)
	07/02/20 17:55 CST	0		Source: NWS Employee

A thunderstorm moved across Midland County and produced a 60 mph wind gust three miles north northeast of the City of Midland.

An upper level ridge was over the Southern Plains. There was abundant moisture across West Texas. Thunderstorms developed across the Permian Basin and produced a severe wind gust.

SCURRY COUNTY --- 1.0 SE SNYDER [32.71, -100.89], 0.7 SSE SNYDER [32.71, -100.90], 1.2 SSE SNYDER [32.70, -100.90], 1.4 SSE SNYDER [32.70, -100.89]

	07/23/20 15:58 CST	1K		Flash Flood (due to Heavy Rain)
	07/23/20 17:00 CST	0		Source: Fire Department/Rescue

Heavy rain produced flash flooding in Scurry County. A car was stranded in a low water crossing. About one inch of rain fell in less than an hour. The cost of damage is a very rough estimate.

Moisture and instability were fairly high with weak upper level winds. Thunderstorm outflow boundaries were across the area which provided a focus for new storm development. These conditions resulted in a storm that produced flash flooding in West Texas.