

Storm Data and Unusual Weather Phenomena - April 2020

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
NEW MEXICO, Southeast				
(NM-Z027) GUADALUPE MOUNTAINS OF EDDY COUNTY				
	04/12/20 06:00 MST		0	High Wind (MAX 52 kt)
	04/12/20 12:00 MST		0	
A deep upper trough moved into the southwestern U.S. causing strong winds in the Guadalupe Mountains.				
EDDY COUNTY --- 1.0 W ARTESIA [32.83, -104.42]				
	04/22/20 17:15 MST		0	Thunderstorm Wind (MG 52 kt)
	04/22/20 17:15 MST		0	Source: AWOS
A thunderstorm produced a 60 mph wind gust at the Artesia AWOS site.				
An upper level trough was moving over Texas and Oklahoma. An upper level disturbance passed over southeast New Mexico. This disturbance added lift to the atmosphere and resulted in a thunderstorm that produced a severe wind gust.				
TEXAS, West				
PECOS COUNTY --- 9.0 S IMPERIAL [31.14, -102.68]				
	04/10/20 16:22 CST		0	Hail (1.50 in)
	04/10/20 16:27 CST		0	Source: Trained Spotter
WARD COUNTY --- PYOTE [31.53, -103.13]				
	04/10/20 17:18 CST		0	Hail (1.00 in)
	04/10/20 17:23 CST		0	Source: Public
ECTOR COUNTY --- 5.0 W ODESSA [31.85, -102.46]				
	04/10/20 17:30 CST		0	Hail (1.00 in)
	04/10/20 17:35 CST		0	Source: Public
CRANE COUNTY --- 11.0 SSW CRANE [31.25, -102.42]				
	04/10/20 17:31 CST		0	Hail (2.75 in)
	04/10/20 17:36 CST		0	Source: Storm Chaser
UPTON COUNTY --- 5.0 SW RANKIN [31.17, -101.96]				
	04/10/20 18:20 CST		0.50K	Hail (1.75 in)
	04/10/20 18:25 CST		0	Source: Law Enforcement
A thunderstorm moved across Upton County and produced golfball sized hail. A windshield was broken on a patrol vehicle. The cost of damage is a very rough estimate.				
UPTON COUNTY --- 5.0 E MC CAMEY [31.13, -102.15]				
	04/10/20 18:31 CST		0	Hail (1.00 in)
	04/10/20 18:36 CST		0	Source: Fire Department/Rescue
UPTON COUNTY --- 5.0 SW RANKIN [31.17, -101.96]				
	04/10/20 18:42 CST		0	Hail (1.75 in)
	04/10/20 18:47 CST		0	Source: Trained Spotter
MARTIN COUNTY --- 15.0 NNW TARZAN [32.50, -102.07]				
	04/10/20 18:46 CST		0	Hail (1.00 in)
	04/10/20 18:51 CST		0	Source: Trained Spotter
ANDREWS COUNTY --- 10.2 SW ANDREWS [32.22, -102.68]				

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	04/10/20 18:55 CST		0	Hail (1.75 in)
	04/10/20 19:00 CST		0	Source: Public

ECTOR COUNTY --- PLEASANT FARMS [31.68, -102.32]

04/10/20 21:50 CST	0	Hail (1.75 in)
04/10/20 21:55 CST	0	Source: Public

Upper level low pressure was over Southern California and was moving eastward. A plentiful supply of moisture as well as instability and wind shear were in place across West Texas. These conditions resulted in thunderstorms that produced large hail across the Permian Basin and Trans Pecos.



One inch hail fell in Odessa. Photo is courtesy of April Sanders.

MIDLAND COUNTY --- 2.0 SE MIDLAND [31.98, -102.06]

04/11/20 23:43 CST	0	Hail (1.00 in)
04/11/20 23:48 CST	0	Source: Social Media

MIDLAND COUNTY --- GREENWOOD [32.00, -101.92]

04/11/20 23:47 CST	0	Hail (1.00 in)
04/11/20 23:52 CST	0	Source: Trained Spotter

CRANE COUNTY --- CRANE [31.40, -102.35]

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	04/12/20 00:00 CST		0	Hail (1.00 in)
	04/12/20 00:05 CST		0	Source: Social Media

HOWARD COUNTY --- BIG SPRING [32.25, -101.47]

	04/12/20 00:35 CST		0	Hail (1.75 in)
	04/12/20 00:40 CST		0	Source: Trained Spotter

GLASSCOCK COUNTY --- 1.0 N GARDEN CITY [31.88, -101.50]

	04/12/20 00:40 CST		0	Hail (1.75 in)
	04/12/20 00:45 CST		0	Source: Social Media

An upper level trough was centered over southern Arizona. A dryline developed across West Texas. Very moist and unstable air was present to the east of the dryline as well as high wind shear. Upper lift increased as the upper trough moved closer to the region. These conditions resulted in thunderstorms that produced large hail across the Permian Basin.

(TX-Z270) GUADALUPE MOUNTAINS ABOVE 7000 FEET

	04/12/20 05:38 CST		0	High Wind (MAX 57 kt)
	04/12/20 16:51 CST		0	

A deep upper trough moved into the southwestern U.S. causing strong winds in the Guadalupe Mountains.

(TX-Z270) GUADALUPE MOUNTAINS ABOVE 7000 FEET

	04/18/20 16:51 CST		0	High Wind (MAX 50 kt)
	04/18/20 16:51 CST		0	

A fast moving disturbance brought brief strong winds to the Guadalupe Mountains.

GLASSCOCK COUNTY --- 3.2 NW ST LAWRENCE [31.71, -101.53]

	04/27/20 17:40 CST		0	Hail (1.25 in)
	04/27/20 17:45 CST		0	Source: Social Media

GLASSCOCK COUNTY --- 4.0 S GARDEN CITY [31.81, -101.50]

	04/27/20 17:48 CST		0	Hail (1.75 in)
	04/27/20 17:53 CST		0	Source: Social Media

A dryline was present across the Permian Basin. An upper level disturbance moved over the area and provided additional lift. Intense heating created instability in the atmosphere, and wind shear was also present. These conditions contributed to thunderstorms that produced large hail across the eastern Permian Basin.

(TX-Z271) GUADALUPE AND DELAWARE MOUNTAINS

	04/29/20 04:51 CST		0	High Wind (MAX 54 kt)
	04/29/20 08:57 CST		0	

Cold air moving in behind a cold front brought strong northeast winds to Guadalupe Pass.