

Storm Data and Unusual Weather Phenomena - October 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
NEW MEXICO, Southeast				
EDDY COUNTY --- HOPE [32.80, -104.73]				
	10/03/15 16:15 MST		0	Hail (0.88 in)
	10/03/15 16:20 MST		0	Source: Trained Spotter
EDDY COUNTY --- LAKEWOOD [32.63, -104.37]				
	10/03/15 17:04 MST		0	Hail (0.88 in)
	10/03/15 17:09 MST		0	Source: Trained Spotter
<p>An upper level trough was moving past the Rocky Mountains into the plains with an upper level disturbance over the Arizona/New Mexico border. There was an axis of moisture that was moving over New Mexico. These conditions, combined with good instability, allowed for thunderstorms to develop across southeast New Mexico.</p>				
EDDY COUNTY --- 18.0 SW CARLSBAD [32.24, -104.45]				
	10/07/15 15:39 MST		0	Hail (1.75 in)
	10/07/15 15:44 MST		0	Source: COOP Observer
EDDY COUNTY --- 15.0 W CARLSBAD [32.42, -104.49]				
	10/07/15 16:00 MST		0	Heavy Rain
	10/07/15 16:30 MST		0	Source: COOP Observer
<p>Heavy rain fell west of Carlsbad with 1.05 inches of rain reported within 30 minutes.</p>				
EDDY COUNTY --- 15.0 W CARLSBAD [32.42, -104.49]				
	10/07/15 16:25 MST		0	Hail (1.75 in)
	10/07/15 16:30 MST		0	Source: COOP Observer
EDDY COUNTY --- 18.0 SW CARLSBAD [32.24, -104.45]				
	10/07/15 16:25 MST		0	Hail (1.75 in)
	10/07/15 16:30 MST		0	Source: Trained Spotter
EDDY COUNTY --- 1.8 ESE QUEEN [32.19, -104.70], 5.3 E QUEEN [32.19, -104.64], 5.3 E QUEEN [32.20, -104.64], 1.9 ENE QUEEN [32.21, -104.70]				
	10/07/15 17:23 MST		0.50K	Flash Flood (due to Heavy Rain)
	10/07/15 22:30 MST		0	Source: Trained Spotter
<p>Heavy rain fell across Eddy County and produced flash flooding. Trained weather spotters reported flash flooding of Last Chance Arroyo and up to a foot of water running over Highway 137. The cost of damage is a very rough estimate.</p>				
LEA COUNTY --- 1.0 WSW JAL [32.11, -103.20], 1.0 WSW JAL [32.11, -103.20], 1.1 WSW JAL [32.11, -103.20], 1.0 WSW JAL [32.12, -103.20]				
	10/08/15 00:00 MST		1K	Flash Flood (due to Heavy Rain)
	10/08/15 03:00 MST		0	Source: Law Enforcement
<p>Heavy rain fell across Lea County and produced flash flooding in Jal. The Jal Police Department reported that three roads were blocked off due to two to three feet of water over them. The cost of damage is a very rough estimate.</p>				
<p>An upper level low was over southern Arizona moving southward, and this feature increased upper level lift over West Texas and southeast New Mexico. This upper low was pulling moisture northward into the area from the Gulf of Mexico. These conditions contributed to severe thunderstorms with large hail and damaging winds as well as flash flooding developing across the area. Thunderstorms increased in coverage overnight as an upper level disturbance moved over the region.</p>				
EDDY COUNTY --- ARTESIA [32.83, -104.40]				
	10/21/15 17:00 MST		0	Heavy Rain
	10/21/15 17:50 MST		0	Source: Trained Spotter
<p>Heavy rain occurred across Eddy County and produced some minor street flooding in Artesia.</p>				
EDDY COUNTY --- ATOKA [32.77, -104.40]				
	10/21/15 17:28 MST		0	Hail (1.00 in)
	10/21/15 17:33 MST		0	Source: Public

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EDDY COUNTY --- 11.0 N ATOKA [32.93, -104.40]				
	10/21/15 17:38 MST	0		Hail (1.00 in)
	10/21/15 17:43 MST	0		Source: Public
EDDY COUNTY --- 2.8 SSE CARLSBAD [32.38, -104.22]				
	10/21/15 17:40 MST	0		Hail (1.75 in)
	10/21/15 17:45 MST	0		Source: Public
EDDY COUNTY --- 6.0 SSW CARLSBAD [32.34, -104.27]				
	10/21/15 17:47 MST	0		Hail (1.00 in)
	10/21/15 17:52 MST	0		Source: COOP Observer
EDDY COUNTY --- CARLSBAD [32.42, -104.23]				
	10/21/15 17:52 MST	0		Hail (1.00 in)
	10/21/15 17:57 MST	0		Source: Trained Spotter
EDDY COUNTY --- CARLSBAD [32.42, -104.23]				
	10/21/15 18:10 MST	0		Hail (1.50 in)
	10/21/15 18:15 MST	0		Source: Trained Spotter
LEA COUNTY --- 2.8 NW HOBBS [32.73, -103.16], 1.8 SW HOBBS [32.68, -103.15], 2.0 ESE HOBBS [32.69, -103.10], 2.9 NNE HOBBS [32.74, -103.11]				
	10/21/15 21:48 MST		3.50K	Flash Flood (due to Heavy Rain)
	10/21/15 23:48 MST	0		Source: Law Enforcement

Heavy rainfall caused flooded roads and four high water rescues in the City of Hobbs that were reported by law enforcement. The cost of damage is a very rough estimate.

A strong upper level low pressure area over western Arizona moved slowly eastward. This feature increased upper level lift over West Texas and southeast New Mexico. This upper low was pulling moisture northward into the area from the Gulf of Mexico allowing for precipitable water values to rise to around one inch. Sufficient heating, instability, and high moisture content contributed to severe thunderstorms with large hail as well as flash flooding. Thunderstorms increased in coverage overnight as an upper level disturbance moved over the region.

TEXAS, West

REEVES COUNTY --- 2.0 S PECOS [31.39, -103.48]				
	10/02/15 17:35 CST	0		Thunderstorm Wind (MG 50 kt)
	10/02/15 17:35 CST	0		Source: AWOS

A thunderstorm moved across Reeves County and produced a 58 mph wind gust as recorded by the AWOS near the City of Pecos.

A surface trough was present across West Texas with intense afternoon heating along this area. There was good instability across the Davis Mountains and surrounding area. These conditions allowed for thunderstorms with gusty winds to develop.

PECOS COUNTY --- 2.0 N COYANOSA [31.20, -103.00]				
	10/07/15 17:10 CST	0		Thunderstorm Wind (MG 63 kt)
	10/07/15 17:10 CST	0		Source: Mesonet

A thunderstorm moved across Pecos County and produced a 72 mph wind gust north of Coyanosa as recorded by the local mesonet station.

PECOS COUNTY --- COYANOSA [31.17, -103.00]				
	10/07/15 17:15 CST		16K	Thunderstorm Wind (EG 65 kt)
	10/07/15 17:16 CST	0		Source: Public

A thunderstorm moved across Pecos County and produced wind damage in Coyanosa. A roof was torn off the Coyanosa Food Center and a pecan tree was knocked down from wind gusts. The cost of damage is a very rough estimate.

JEFF DAVIS COUNTY --- 9.5 NW FT DAVIS [30.68, -103.99]				
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	10/07/15 19:36 CST		0	Hail (1.75 in)
	10/07/15 19:41 CST		0	Source: COOP Observer

REEVES COUNTY --- TOYAH [31.32, -103.78]

	10/07/15 20:19 CST		0	Hail (1.00 in)
	10/07/15 20:24 CST		0	Source: Public

WINKLER COUNTY --- 1.3 W KERMIT [31.85, -103.10], 1.2 W KERMIT [31.85, -103.10], 1.3 W KERMIT [31.85, -103.10], 1.3 W KERMIT [31.85, -103.10]

	10/08/15 03:45 CST		0.50K	Flash Flood (due to Heavy Rain)
	10/08/15 04:30 CST		0	Source: Public

Heavy rain fell across Winkler County and produced flash flooding in Kermit. One foot of water was reported running over Sycamore Street in Kermit. The cost of damage is a very rough estimate.

JEFF DAVIS COUNTY --- 11.3 NW FT DAVIS [30.68, -104.03], 10.9 NW FT DAVIS [30.68, -104.03], 11.5 NW FT DAVIS [30.69, -104.03], 11.7 NW FT DAVIS [30.68, -104.04]

	10/08/15 06:45 CST		5K	Flash Flood (due to Heavy Rain)
	10/08/15 10:45 CST		0	Source: Department of Highways

Heavy rain fell across Jeff Davis County and produced flash flooding. A rock slide with debris and flooding was reported on Highway 118 north of the McDonald Observatory. The cost of damage is a very rough estimate.

JEFF DAVIS COUNTY --- 18.7 S LEVINSON [30.83, -104.13], 10.4 NW FT DAVIS [30.69, -104.00], 18.3 WNW FT DAVIS [30.64, -104.18], 16.3 NE VALENTINE [30.73, -104.29]

	10/08/15 06:45 CST		0.50K	Flash Flood (due to Heavy Rain)
	10/08/15 10:45 CST		0	Source: Fire Department/Rescue

Heavy rain moved across Jeff Davis County and produced flash flooding. Portions of Highways 118 and 166 were closed between Kent and the Fort Davis State Park. The cost of damage is a very rough estimate.

JEFF DAVIS COUNTY --- 3.0 NW FT DAVIS [30.61, -103.91], 1.7 NNE FT DAVIS [30.60, -103.87], 0.7 NNW FT DAVIS [30.59, -103.89], 2.0 WNW FT DAVIS [30.59, -103.91]

	10/08/15 06:45 CST		0.50K	Flash Flood (due to Heavy Rain)
	10/08/15 10:45 CST		0	Source: Department of Highways

Heavy rain fell across Jeff Davis County and produced flash flooding. Highway 118 was closed between Fort Davis and Fort Davis State Park. The cost of damage is a very rough estimate.

JEFF DAVIS COUNTY --- 5.4 NNE FT DAVIS [30.65, -103.84], 5.5 NNE FT DAVIS [30.65, -103.84], 5.3 NNE FT DAVIS [30.65, -103.84], 5.3 NNE FT DAVIS [30.65, -103.84]

	10/08/15 07:00 CST		0.50K	Flash Flood (due to Heavy Rain)
	10/08/15 09:40 CST		0	Source: Law Enforcement

Heavy rain fell across Jeff Davis County and produced flash flooding. A tree fell down over Highway 17 five miles north of Fort Davis. The cost of damage is a very rough estimate.

BREWSTER COUNTY --- 1.0 S ALPINE [30.36, -103.67], 1.1 S ALPINE [30.35, -103.67], 1.3 SE ALPINE [30.36, -103.65], 1.0 ESE ALPINE [30.36, -103.66]

	10/08/15 08:30 CST		0.50K	Flash Flood (due to Heavy Rain)
	10/08/15 10:30 CST		0	Source: Law Enforcement

Heavy rain fell across Brewster County and produced flash flooding in Alpine. Underpasses on Highway 90 in Alpine were flooded with an estimated two to three feet of water. The cost of damage is a very rough estimate.

MIDLAND COUNTY --- 2.0 NNE GREENWOOD [32.03, -101.91], 1.9 NNE GREENWOOD [32.02, -101.90], 2.3 NE GREENWOOD [32.03, -101.90], 2.4 NE GREENWOOD [32.03, -101.90]

	10/08/15 12:35 CST		0.30K	Flash Flood (due to Heavy Rain)
	10/08/15 14:40 CST		0	Source: Trained Spotter

Heavy rain fell across Midland County and produced flash flooding in Greenwood. Six to eight inches of water was flowing over the east bound lane of Highway 307 in Greenwood between county roads 1379 and 1085. The cost of damage is a very rough estimate.

An upper level low was over southern Arizona moving southward, and this feature increased upper level lift over West Texas and southeast New Mexico. This upper low was pulling moisture northward into the area from the Gulf of Mexico. These conditions

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<p>contributed to severe thunderstorms with large hail and damaging winds as well as flash flooding developing across the area. Thunderstorms increased in coverage overnight as an upper level disturbance moved over the region.</p>				
LOVING COUNTY --- 16.0 NNW MENTONE [31.91, -103.70]				
	10/21/15 19:51 CST		0	Hail (1.00 in)
	10/21/15 19:56 CST		0	Source: Emergency Manager
GAINES COUNTY --- 18.0 W SEMINOLE [32.72, -102.96]				
	10/21/15 22:30 CST		0	Hail (1.00 in)
	10/21/15 22:35 CST		0	Source: Law Enforcement
ECTOR COUNTY --- 2.3 E ODESSA [31.85, -102.33], 2.3 ESE ODESSA ECTOR CO ARPT [31.90, -102.35], 1.7 NNW GREENFIELD ACRES [31.89, -102.41], 2.3 SSW ODESSA [31.82, -102.39]				
	10/21/15 23:00 CST		23K	Flash Flood (due to Heavy Rain)
	10/22/15 04:00 CST		0	Source: Emergency Manager
<p>Heavy rain fell across Ector County and produced flash flooding in Odessa. Emergency management reported more than 30 swift water rescues in Odessa. The cost of damage is a very rough estimate.</p>				
GAINES COUNTY --- SEMINOLE [32.72, -102.65], 1.2 SSE SEMINOLE [32.70, -102.64], 2.1 ESE SEMINOLE [32.71, -102.62], 1.0 ENE SEMINOLE [32.73, -102.63]				
	10/22/15 00:09 CST		0	Flash Flood (due to Heavy Rain)
	10/22/15 01:10 CST		0	Source: Law Enforcement
<p>The Gaines County Sheriffs Office reported 6-12 inches of water flowing over US Highway 180 on the east side of Seminole.</p>				
ANDREWS COUNTY --- 1.7 SW ANDREWS [32.30, -102.57], 1.2 S ANDREWS CO ARPT [32.31, -102.53], 1.2 NW ANDREWS CO ARPT [32.34, -102.54], 2.2 NW ANDREWS [32.34, -102.58]				
	10/22/15 01:00 CST		2K	Flash Flood (due to Heavy Rain)
	10/22/15 03:30 CST		0	Source: Law Enforcement
<p>Andrews County Sheriffs Office reported water flooding residents' yards and 1 to 2 feet of water covering some roadways. A vehicle was submerged under water and southbound lanes of N Main and NW Mustang Streets were being barricaded. Damage costs are a very rough estimate.</p>				
ECTOR COUNTY --- ODESSA [31.85, -102.37], 0.3 SE ODESSA [31.85, -102.37], 1.1 ENE ODESSA [31.85, -102.35], 2.5 ENE GREENFIELD ACRES [31.89, -102.36], 1.3 NE GREENFIELD ACRES [31.88, -102.38]				
	10/22/15 01:00 CST		0.30M	Flash Flood (due to Heavy Rain)
	10/22/15 03:30 CST		0	Source: Fire Department/Rescue
<p>At least 16 homes were flooded in Odessa around the 3600 block of Walnut Avenue and on Tom Green between 13th and 14th Street. The Central Fire Department reported 3.7 inches of rain in the prior 4 hours before 1:00 AM CST. The damage costs are a very rough estimate.</p>				
ANDREWS COUNTY --- 1.2 SW ANDREWS [32.31, -102.56], 0.9 ESE ANDREWS [32.31, -102.54], 1.0 WNW ANDREWS CO ARPT [32.34, -102.54], 1.2 NW ANDREWS [32.33, -102.56]				
	10/22/15 01:09 CST		0.50K	Flash Flood (due to Heavy Rain)
	10/22/15 03:30 CST		0	Source: Law Enforcement
<p>Several roads and intersections in Andrews were covered with one to two feet of water. The cost of damage is a very rough estimate.</p>				
ECTOR COUNTY --- 0.8 NNW GREENFIELD ACRES [31.88, -102.41], 2.4 SSE ODESSA ECTOR CO ARPT [31.89, -102.36], 2.2 E ODESSA [31.85, -102.33], 1.6 SW ODESSA [31.83, -102.39]				
	10/22/15 01:30 CST		8K	Flash Flood (due to Heavy Rain)
	10/22/15 01:50 CST		0	Source: Law Enforcement
<p>Law enforcement reported several high water rescues in Odessa. Cost of damages are a rough estimate.</p>				
MIDLAND COUNTY --- 1.7 NE MIDLAND [32.01, -102.06], 1.4 NE MIDLAND [32.01, -102.06], 1.3 ENE MIDLAND [32.01, -102.06], 1.6 ENE MIDLAND [32.01, -102.06]				
	10/22/15 03:00 CST		1K	Flash Flood (due to Heavy Rain)
	10/22/15 03:30 CST		0	Source: Fire Department/Rescue
<p>The fire department reported a vehicle submerged at Mulberry and Tilden Roads in Midland due to flash flooding. The cost of damage is a rough estimate.</p>				

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MARTIN COUNTY --- 7.7 SW THREE LEAGUES [32.41, -102.08], 2.8 NW THREE LEAGUES [32.51, -102.00], 8.0 WNW THREE LEAGUES [32.54, -102.08], 10.5 WSW THREE LEAGUES [32.45, -102.15]				
	10/22/15 03:01 CST		0.75K	Flash Flood (due to Heavy Rain)
	10/22/15 03:30 CST		0	Source: Law Enforcement
Heavy rain fell across Martin County and produced flash flooding. There was a report from the Martin County Sheriff's Office of people stranded in high water on Highway 349 near the Martin and Dawson County line. The cost of damage is a rough estimate.				
ECTOR COUNTY --- 1.7 NE GREENFIELD ACRES [31.89, -102.38], 1.6 ENE GREENFIELD ACRES [31.88, -102.38], 2.0 ENE GREENFIELD ACRES [31.88, -102.37], 2.0 NE GREENFIELD ACRES [31.89, -102.37]				
	10/22/15 04:20 CST		0.30K	Flash Flood (due to Heavy Rain)
	10/22/15 06:30 CST		0	Source: Broadcast Media
Heavy rain fell across Ector and Midland Counties and produced flash flooding. There was high water reported at 42nd and Dixie Streets in Odessa. There were several feet of water reported at the intersection of 349 and 1787.				
UPTON COUNTY --- 1.2 WNW RANKIN ARPT [31.24, -101.97], 13.6 SSW MIDKIFF [31.46, -101.97], 12.5 S MIDKIFF [31.45, -101.89], 1.4 E RANKIN ARPT [31.23, -101.93]				
	10/22/15 06:00 CST		0.20K	Flash Flood (due to Heavy Rain)
	10/22/15 08:45 CST		0	Source: Law Enforcement
Heavy rain fell across Upton County and produced flash flooding. Highway 349 was impassible due to high water from 4 to 7 miles north of Rankin.				
SCURRY COUNTY --- SNYDER [32.72, -100.90], 1.1 SSE SNYDER [32.71, -100.89], 0.9 NW WINSTON [32.71, -100.93], 1.8 NW SNYDER [32.74, -100.92]				
	10/22/15 06:15 CST		0.30K	Flash Flood (due to Heavy Rain)
	10/22/15 09:15 CST		0	Source: Fire Department/Rescue
Heavy rain fell across Scurry County and produced flash flooding. The Snyder Fire Department reported that a few roads were barricaded due to high water.				
MIDLAND COUNTY --- 2.5 N MIDLAND [32.04, -102.08], 4.2 WNW MIDLAND [32.02, -102.15], 4.0 SW MIDLAND [31.96, -102.13], 2.0 ESE MIDLAND [31.99, -102.05]				
	10/22/15 06:30 CST		4K	Flash Flood (due to Heavy Rain)
	10/22/15 08:45 CST		0	Source: Law Enforcement
Heavy rain fell across Midland County and produced flash flooding in Midland. Approximately 4 high water rescues were performed in Midland. Damage costs are a rough estimate.				
UPTON COUNTY --- 1.1 SE RANKIN ARPT [31.22, -101.94], 0.9 ESE RANKIN ARPT [31.22, -101.94], 0.6 SE RANKIN ARPT [31.22, -101.94], 0.9 SSE RANKIN ARPT [31.22, -101.94]				
	10/22/15 07:54 CST		1K	Flash Flood (due to Heavy Rain)
	10/22/15 08:45 CST		0	Source: Public
Heavy rain fell across Upton County and produced flash flooding in Rankin. There was flooding on Main Street south of the railroad tracks. A couple had water up to the door of their RV and had to be rescued. The cost of damage is a very rough estimate.				
MIDLAND COUNTY --- 2.0 ESE MIDLAND [31.98, -102.05], 2.6 SE MIDLAND [31.97, -102.05], 2.7 SSW MIDLAND [31.96, -102.10], 2.1 SSW MIDLAND [31.97, -102.10]				
	10/22/15 08:00 CST		0.20K	Flash Flood (due to Heavy Rain)
	10/22/15 08:45 CST		0	Source: Law Enforcement
Heavy rain fell across Midland County and produced flash flooding. A low water crossing remained closed along portions of I-20 service road due to high water.				
UPTON COUNTY --- 5.0 E RANKIN [31.22, -101.82], 11.4 E RANKIN [31.22, -101.71], 11.7 E RANKIN [31.25, -101.71], 5.4 ENE RANKIN [31.26, -101.82]				
	10/22/15 08:40 CST		0.20K	Flash Flood (due to Heavy Rain)
	10/22/15 11:40 CST		0	Source: Law Enforcement
Heavy rain fell across Upton County and produced flash flooding. Highway 67 was closed between Rankin and Big Lake due to high water over the road.				
UPTON COUNTY --- 0.3 E RANKIN ARPT [31.23, -101.95], 1.0 E RANKIN ARPT [31.23, -101.93], 1.2 ESE RANKIN ARPT [31.22, -101.93], 0.7 SSE RANKIN ARPT [31.22, -101.95]				

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	10/22/15 09:20 CST		35K	Flash Flood (due to Heavy Rain)
	10/22/15 10:00 CST		0	Source: Law Enforcement

Heavy rain fell across Upton County and produced flash flooding in Rankin. A manufactured home and an RV were caught in high water near the 300 block of South Main Street in Rankin. The cost of damage is a very rough estimate.

A strong upper level low pressure area over western Arizona moved slowly eastward. This feature increased upper level lift over West Texas and southeast New Mexico. This upper low was pulling moisture northward into the area from the Gulf of Mexico allowing for precipitable water values to rise to around one inch. Sufficient heating, instability, and high moisture content contributed to severe thunderstorms with large hail as well as flash flooding. Thunderstorms increased in coverage overnight as an upper level disturbance moved over the region.