



National Weather Service

Storm Data and Unusual Weather Phenomena



July 2005

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, South

TXZ255

Cameron

20	0000CST 1000CST				0	0			Storm Surge
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Minor to moderate beach erosion was reported in Cameron County, with a storm surge associated with the landfall of Hurricane Emily in northern Mexico creating a storm tide of 3 to 5 feet above normal. This storm tide caused erosion of the dunes and the beaches of Boca Chica and South Padre Island, TX. No significant damage reported.

Cameron County

7 ENE Brownsville

20	0249CST 0600CST				0	0			Flash Flood
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Heavy rains from the outer rainbands of Hurricane Emily produced flash flooding that resulted in the closing of Highway 4 seven miles north of F.M. Road 511.

TXZ252>255

Starr - Hidalgo - Willacy - Cameron

20	0600CST 1800CST				0	0	125K		Strong Wind (MG55)
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Tropical Storm-force wind gusts associated with Hurricane Emily over northern Mexico produced minor damage mainly to vegetation across Deep South Texas. More substantial damage of structures was noted in post-storm damage surveys over Cameron and Hidalgo counties. A peak gust to 55 knots was measured in association with the landfall of Hurricane Emily over northern Mexico at the Brownsville/South Padre Island Airport, with 51 knots measured at the Rio Grande Valley Airport in Harlingen, 41 knots at Miller International Airport in McAllen, and 42 knots at the Weslaco Mid-Valley Airport. Wind gusts to 40 knots were estimated over rural sections of Starr and Willacy counties.

Cameron County

Rio Hondo

20	0635CST	0.2	30		0	0	30K		Tornado (F0)
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Short-lived tornado was reported by the general public. Completed damage assessment confirmed destruction to a mobile home by the tornado.

Zapata County

25 NNE Zapata

20	0939CST	0.1	20		0	0			Tornado (F0)
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Short-lived tornado was relayed by Zapata County Sheriff's Office. Tornado occurred over open ranch land. No damage reported

Hidalgo County

Mc Allen

20	1040CST	0.2	20		0	0			Tornado (F0)
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Tornado was reported by local media in south McAllen. Tornado touched down briefly in open land. No damage noted.

Hidalgo County

Mc Allen

20	1245CST 1345CST				0	0			Flash Flood
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Heavy rains associated with Hurricane Emily produced flash flooding of intersections near and around Nolana and 10th Streets. Some of the water caused minor damage to businesses in the vicinity.

Hidalgo County

Mission

20	1305CST	0.1	20		0	0			Tornado (F0)
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Tornado was reported by local media in Mission near the intersection of Glasscock and F.M. road 495. No damage noted.

Jim Hogg County

Hebbronville

20	1330CST	2	30		0	0			Tornado (F0)
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Tornado occurred just southwest of Hebbronville over open rangeland. No damage noted or reported.

Starr County

Garciasville

20	1500CST				0	0			Flash Flood
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TEXAS, South

1600CST

Flash flooding of town streets was reported due to heavy rains from Hurricane Emily

Emily formed as the 5th tropical depression of the 2005 Atlantic Season at 10 pm CDT Sunday July 10th, 2005. Tropical Depression 5 became the 5th Tropical Storm at 10 pm CDT Sunday July 10th, 2005. Emily then went on to become a hurricane at 10 pm July 13th and then proceeded to become a Category 3 storm at 4 pm July 14th in the Caribbean Sea. Emily then reached Category 4 strength at 1 am CDT July 15th and made landfall along the Yucatan peninsula during the early morning of July 18th. Emily re-emerged off the Yucatan peninsula and regained category 3 strength in the Southwestern Gulf of Mexico at 6 pm CDT July 19th. Emily then proceeded to make landfall along the northeast coast of Mexico early in the morning on July 20th 2005

Emily produced heavy rains over south Texas with storm total rainfall amounts generally ranging between 1.5 and 5 inches. Storm tides (including astronomical tide, storm surge, and wind-driven waves) caused minor to moderate flooding along the lower Texas coast from the port mansfield jetties southward to the Rio Grande.

Sea water washed over the State Road 100, approximately 4 to 6 miles north of the South Padre Island City limits, where only the beach and natural sand dunes exist. The building of additional burms along the beaches and dunes did prevent much of the sea water from flooding within the City of South Padre Island.

Only minimal and isolated damage was reported from local law enforcement agencies and county emergency operation centers. Damage consisted of isolated structural damage to buildings from tropical storm force winds. Several trees were uprooted or damaged and were consistent with the reported observed wind speeds. Emily produced five confirmed tornadoes over Deep South Texas, and isolated flash flooding, primarily over Hidalgo County