



National Weather Service

Storm Data and Unusual Weather Phenomena



September 2002

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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GULF OF MEXICO

GMZ335 12 SE Texas City	Galveston Bay 19 0900CST Measured at South Jetty.				0	0			Marine Tstm Wind (G57)
GMZ355 1 S Galveston	High Is To Freeport Tx Out 20Nm 19 0900CST Measured at Pleasure Pier				0	0			Marine Tstm Wind (G40)
GMZ350 60 S Freeport	Freeport To Matagorda Ship Chnl Out 20Nm 22 2000CST Measured at 42019.				0	0			Marine Tstm Wind (G35)

TEXAS, Central Southeast

TXZ226>227-235>238	Wharton - Fort Bend - Jackson - Matagorda - Brazoria - Galveston 05 0000CST 07 1800CST				0	3	4.5M		Tropical Storm
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					Killed	Injured	Property	Crops	

TEXAS, Central Southeast

Tropical Storm Fay began as an area of disturbed weather associated with a broad low pressure system in the northwest Gulf of Mexico during the first week of September. On Thursday, September 5th, this disturbance became the sixth tropical depression of the 2002 hurricane season with a poorly defined center located approximately 125 miles southeast of Galveston, Texas. That evening, just six hours after formation, the depression became Tropical Storm Fay as winds strengthened to 40 mph.

Fay remained nearly stationary Thursday night and through most of Friday. However, Fay did manage to slowly strengthen with winds reaching 60 mph late Friday morning (September 6th). On Friday evening, Fay began to redevelop further west near a cluster of strong thunderstorms. These thunderstorms began pushing inland along the southeast Texas coastline between San Luis Pass and Palacios around 11 PM CDT. As this cluster of thunderstorms moved inland, it produced extremely heavy rainfall, tornadoes, and strong damaging wind gusts. The center of Fay moved inland early Saturday morning (September 7th) near Palacios and weakened to a tropical depression late that morning.

There were no deaths in Southeast Texas associated with Fay. Three people were injured when a tornado damaged a mobile home in southern Fort Bend County Friday night. Fay produced a total of five tornadoes along a path from Freeport in Brazoria County to near Hungerford in Wharton County.

Flooding was significant in Brazoria, Matagorda and Wharton counties due to high tides and severe rainwater flooding. Between 10 and 20 inches of rain fell in an area from Freeport north-northwest to Boling in eastern Wharton County. The hardest hit area was near the community of Sweeny in southwest Brazoria County. In Brazoria County, over 1500 homes were flooded. Over 800 homes received damage from winds and tornadoes. Nearly 100 businesses and nearly 100 multi-family buildings were damaged. Nearly 500 cars were flooded. In Matagorda County, 130 single family homes and 32 businesses were damaged mainly by flood waters. As a result of high tides and heavy rain, over \$1.2 million in damage was done to public facilities including roads, bridges and public buildings. In Wharton County, over 200 single family homes were damaged or destroyed. Tornadoes damaged 7 homes while the remainder of the damage was due to flooding.

It is estimated that beach erosion from high tides produced \$3.5 million in damage to public roads, bridges and recreational areas across Galveston County. Another half a million dollars in damage from the high tides was inflicted on 135 residential structures. Of these 135 structures, 23 received major damage.

The highest reported wind gust was in the town of Clute in Brazoria County where an 83 mph wind gust was recorded at 120 AM CDT on Saturday.

The highest recorded tide level occurred at Jamaica Beach where the tide level reached 5.40 feet above mean low-lower water at 830 AM CDT Saturday morning, September 7th.

Brazoria County

Freeport	06	1955CST 2055CST							
			0	0	25K				Flash Flood

Numerous roads flooded and impassable from Freeport to Lake Jackson.

Matagorda County

Sargent	06 07	2145CST 0030CST							
			0	0	500K				Flash Flood



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TEXAS, Central Southeast

Water in homes in Sargent.

Brazoria County

Freeport	06	2225CST 2226CST			0	0	50K		Thunderstorm Wind (G61)
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Estimated 70 mph winds in Freeport/Surfside area uprooted and snapped numerous trees.

Matagorda County

Bay City	06 07	2320CST 0215CST			0	0	75K		Flash Flood
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Water in homes in Bay City.

Brazoria County

Lake Jackson	06	2345CST 2346CST	0.1	.1	0	0	5K		Tornado (F0)
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Tornado sighted west Lake Jackson and CR 332 (very brief touchdown)

Matagorda County

7 SE Van Vleck to 3 SE Van Vleck	06	2355CST 2358CST	4	.2	0	0	60K		Tornado (F0)
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Tornado destroyed a storm on FM 457 between Van Vleck and Cedar Lane.

Brazoria County

West Columbia	07	0030CST 0035CST	0.2	.1	0	0	25K		Tornado (F0)
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Tornado downed numerous trees in West Columbia along Hwy 36

Wharton County

Boling	07	0115CST 0120CST	0.2	.1	0	0	75K		Tornado (F0)
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Tornado destroyed one mobile home, damaged three others and tore apart a barn in Boling

Brazoria County

Sweeny	07	0200CST 0400CST			0	0	250K		Flash Flood
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Waist deep water and flooding in Sweeny.

Fort Bend County

Needville	07	0215CST 0220CST	0.2	.2	0	3	100K		Tornado (F1)
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Tornado injured three when mobile home was destroyed; numerous trees down too

Matagorda County

Midfield	07	0215CST			0	0	57K		Thunderstorm Wind
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Wind gusts damaged fire station and blew off the top of the pavillion at the community center.

Jackson County

Cordele	07	0230CST			0	0	50K		Thunderstorm Wind
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Three barns damaged and phone poles down (reported by Lavaca Navidad River Authority).

Wharton County

Wharton	07	0255CST 0400CST			0	0	95K		Flash Flood
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Water in homes in Wharton.

Washington County

Chappell Hill	07	1300CST 1530CST			0	0	10K		Flash Flood
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Water covering FM 1371 near Chappell Hill

Liberty County

Cleveland	08	0905CST 1330CST			0	0	10K		Flash Flood
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Many roads completely submerged just east of Cleveland



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TEXAS, Central Southeast

Harris County

Pasadena	08	1235CST 1515CST			0	0	15K		Flash Flood
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Flooding in Pasadena and Deer Park; many roads closed

Brazoria County

Freeport	09	0740CST 1030CST			0	0	30K		Flash Flood
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Two feet of water on streets in Freeport.

Brazoria County

Countywide	10	0110CST 0830CST			0	0	30K		Flash Flood
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Countywide flooding due to training cells.

Matagorda County

Bay City	10	0110CST 0630CST			0	0	30K		Flash Flood
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Flooded roads in Bay City and Cedar Lane due to training cells

Galveston County

Jamaica Beach	10	0325CST 0830CST			0	0	45K		Flash Flood
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Flooding in Jamaica Beach and Pirates Beach.

Liberty County

Liberty	19	1700CST 2115CST			0	0	35K		Flash Flood
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Flooding in Liberty and Dayton; portions of Hwy 90 closed in Liberty.

Harris County

Houston	19	1717CST 1930CST			0	0	55K		Flash Flood
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Many roads under water and impassable especially north of downtown Houston and near the west loop.

Galveston County

League City	19	2029CST 2305CST			0	0	25K		Flash Flood
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High water in and around League City.