



National Weather Service

Storm Data and Unusual Weather Phenomena



November 2003

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 Eagle Point	Galveston Bay 17	1659CST 1700CST			0	0			Marine Tstm Wind (MG35)
Measured at Eagle Point PORTS.									
GMZ355 Pleasure Pier	High Is To Freeport Tx Out 20Nm 18	0000CST 0001CST			0	0			Marine Tstm Wind (MG38)
Measured at Pleasure Pier TCOONS.									
GMZ355 Pleasure Pier	High Is To Freeport Tx Out 20Nm 18	0100CST 0101CST			0	0			Marine Tstm Wind (MG34)
Measured at Pleasure Pier TCOONS.									

TEXAS, Central Southeast

Harris County Aldine	16	2005CST 2100CST			0	0	3K		Flash Flood
Flooding in and around Aldine									
Wharton County 8 SW El Campo	17	0833CST 0838CST	0.5	25	0	0	1K		Tornado (F0)
Storage shed destroyed with its tin debris field spread to the northeast 1/4 mile.									
Wharton County 5 S El Campo	17	0838CST 0843CST	1	100	0	2	8K		Tornado (F0)
Tornado sighted by personnel in a large plant nursery. Employees took cover and F0 tornado blew out two windows of an on-site office building. Two minor injuries.									
Matagorda County Clemville	17	0910CST 0915CST	0.5	75	0	0	30K		Tornado (F0)
Tornado touched down in town of Clemville damaging the roofs of two homes.									
Wharton County 3 NE Pierce	17	0910CST 0917CST	0.5	50	0	0	2K		Tornado (F0)
Tornado reported by Wharton County EMC as blowing automobiles off the highway.									
Wharton County 2 S Wharton	17	0920CST 0925CST	0.2	20	0	0	0		Tornado (F0)
Tornado reported touching down near Highway 59 and Colorado River.									
Wharton County 4 WNW Boling	17	1000CST 1008CST	1	50	0	0	20K		Tornado (F0)
Tornado damaged three barns and broke several tree limbs.									
Fort Bend County Kendleton	17	1145CST 1555CST			0	0	80K		Flash Flood
Extensive flooding in and around Kendleton. Flooding extended into the towns of Needville and Mission Bend.									
Fort Bend County Sugarland	17	1205CST 1215CST	1.5	200	0	60	500K		Tornado (F2)
Tornado touched down on west Airport Drive near Industrial in Sugar Land. 60 injuries with 7 people sent to hospital for further treatment. Damage to several office building roofs in Industrial Park. Additional damage to a Daycare facility at West Airport Drive and Dairy Ashford Road. Roof damage to several residential homes in the Meadows subdivision. Reports of several cars overturned									



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					Killed	Injured	Property	Crops	

TEXAS, Central Southeast

or blown off of road along Airport Drive.

Fort Bend County

1 N Stafford to
1.5 NNE Stafford

17	1215CST 1220CST	0.5	50	0	0	300K		Tornado (F2)
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Tornado touched down in the Meadows subdivision in Fort Bend County and traveled into Harris County. One home lost roof with several other homes damaged.

Harris County

7 SSE Alief to
7.5 SSE Alief

17	1220CST 1225CST	0.5	50	0	0	500K		Tornado (F2)
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Tornado touched down in the Meadows subdivision in Fort Bend County and traveled into Harris County. Tornado moved over the intersection of West Bellfort and Kirkwood. Numerous apartments lost roofs in the extensive SW Village Apartment Complex damage.

Wharton County

Wharton

17	1233CST 1445CST			0	0	15K		Flash Flood
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Flooding in and around the town of Wharton.

Harris County

(Iah)Houston Intl Ar

17	1300CST 1305CST	0.2	50	0	0			Tornado (F0)
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Tornado spotted by an FAA employee at Bush-Intercontinental Airport.

Montgomery County

New Caney

17	1400CST 1630CST			0	0	25K		Flash Flood
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Flooding in the New Caney and Porter areas.

Harris County

Houston

17	1430CST			1	1	3M		Flash Flood
18	0040CST							

Extensive flooding in and around the Sharpstown area. One 17 year old female fatality with one 18 year old male injury when van they were driving became flooded outside of high school. Flooding extended into Houston metro with numerous flooded or completely submerged vehicles. 300 homes flooded. F17VE

San Jacinto County

Coldspring

17	1430CST 1640CST			0	0	15K		Flash Flood
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Flooding in Coldspring.

Brazoria County

Brazoria

17	1450CST 1459CST	1	75	0	1	75K		Tornado (F0)
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Tornado touch down in downtown Brazoria. Roof damage to several buildings along Highway 36 with tree damage in Old Town Brazoria. A semi-trailer was lifted and over-turned on its side at intersection of Road 332 and Highway 36.

Harris County

South Houston

17	1501CST 1512CST	0.7	100	0	0	550K		Tornado (F2)
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Tornado touched down just east of Highway 288 in the Third Ward. One church completely destroyed, 50 homes damaged, and extensive tree damage. Wind damage to several downtown buildings in SE Houston near Minute Maid ballpark.

Galveston County

Santa Fe

17	1625CST 1630CST	0.1	30	0	0	100K		Tornado (F0)
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Tornado touched down in Santa Fe along 4th Street and FM 1764.

Galveston County

Dickinson

17	1640CST 1645CST	1	30	0	0	30K		Tornado (F0)
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Tornado damaged local car dealership's sign and rearranged a few cars in lot with tree damage along I-45.



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TEXAS, Central Southeast

Chambers County

Beach City	17	1650CST 1653CST	0.1	25	0	0			Tornado (F0)
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Tornado touch down near Beach City.

Harris County

Deer Park	17	1720CST 1725CST	0.5	50	0	0	30K		Tornado (F0)
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Tornado on Somerset Street in Deer Park with minor home damage.

Chambers County

2 W Wallisville	17	1730CST 1740CST	0.5	100	0	5	100K		Tornado (F1)
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Tornado crossed the Old Trinity River Bridge on I-10, blowing over 10 semi trucks. One eastbound semi was dumped onto two cars. Another westbound semi was picked up, blown across a stone retaining wall, ripped through metal fencing and landed on a car in the westbound lane. Description of trucks were one loaded with 60K pounds of nuts and bolts, another with 42K pounds of paper towels, and a tanker truck filled with spring water. 5 injured transported to local area hospital

Liberty County

3 SE Moss Bluff	17	1742CST 1748CST	0.2	20	0	0	10K		Tornado (F0)
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Tornado downed some trees as it touched down along Highway 563

Liberty County

3 E Moss Bluff	17	1745CST 1755CST	0.2	20	0	0	30K		Tornado (F1)
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Tornado downed trees and severely damaged a garage.

Liberty County

Plum Grove	17	1900CST 2100CST			0	0	225K		Flash Flood
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6 to 7 homes flooded in Plum Grove with flooded roads in and around Hardin.

Galveston County

Friendswood	17	2055CST 2100CST	0.7	20	0	0	5K		Tornado (F0)
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Tornado touch down at FM 528 and FM 518. Tornado crossed Clear Creek and moved 1/4 mile into Harris County.

Harris County

Friendswood	17	2100CST 2102CST	0.7	20	0	0	3K		Tornado (F0)
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Tornado traveled from Galveston County across Clear Creek 1/4 mile into Harris County. Tree damage in community park on east side of creek.

Galveston County

Friendswood	17	2108CST 2115CST	0.2	25	0	0	200K		Tornado (F1)
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Tornado struck a Friendswood church on FM 2351. Church's sanctuary received damage, church's bell tower completely torn off.

Galveston County

Friendswood	17	2115CST 2118CST	0.2	50	0	0	275K		Tornado (F1)
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Tornado hit a Friendswood home subdivision. Numerous homes received roof damage, garage door damage, and tree damage

Harris County

2.5 N Baytown	17	2130CST 2135CST	0.5	50	0	0	50K		Tornado (F0)
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Tornado touch down in Northern Baytown causing minor roof and tree damage near Lynchburg-Cedar Bayou Road at Barkuloo



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TEXAS, Central Southeast

Brazoria County

Pearland	17	2200CST			0	0	5K		Flash Flood
	18	0000CST							

Flooding across northern Brazoria County.

Galveston County

Friendswood	17	2205CST			0	0	5K		Flash Flood
	18	0030CST							

Flooding across northern Galveston County.

Harris County

Baytown	17	2230CST	1.5	50	0	3	225K		Tornado (F1)
		2235CST							

Tornado down in southeast Baytown with 54 apartment units in 4 buildings damaged and several homes receiving roof damage. A few minor injuries.

Chambers County

4 S Oak Island	17	2335CST	1	50	0	0	300K		Tornado (F1)
		2345CST							

Tornado touch down in White Haring Estates area between Oak Island and Smith Point. One home destroyed with seven other homes receiving damage.

A total of 24 tornadoes touched down during this 15 hour period of severe weather in southeastern Texas on November 17, 2003. In addition to these tornadoes, a major flood developed over Harris and surrounding counties during the middle of this tornadic outbreak. Over 300 homes, along with hundreds of vehicles, were flooded

These tornadic storms developed over parts of Wharton and Matagorda counties shortly after sunrise with the first confirmed tornado occurring just east of El Campo around 9:00 am. Strong 500mb upper level troughing over the western U.S. moved from west to east across the Southern Plains. The polar jet stream associated with this 500 millibar trough surged into west Texas and then curved sharply northeastward into the Central Plains. The sub-tropical jet stream was oriented west to east across deep southern Texas. This jet stream pattern was the impetus to strong lower level convergence due to the enhanced upper level divergence. Low level moisture had substantially increased and was about 200 percent of normal by 6 AM. Vertical wind profiles also showed a great deal of low level wind shear with the greatest shear occurring in the lowest 2000 feet. In addition, these veering wind speeds rapidly increased with height. A focus for the thunderstorm development was provided by a weak low level boundary which was aligned southwest to northeast, or generally along the U.S. Highway 59 corridor. This feature was nearly-stationary and thunderstorms repeatedly developed and moved along this boundary. The axis of heaviest rain was coincident with this boundary.