## GULF OF MEXICO

<table>
<thead>
<tr>
<th>Location</th>
<th>Character of Storm</th>
<th>Time Local/ Standard</th>
<th>Path Length (Miles)</th>
<th>Path Width (Yards)</th>
<th>Number of Persons</th>
<th>Estimated Damage</th>
<th>Crop Damage</th>
<th>Character of Storm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eagle Point</td>
<td>Marine Tstm Wind (MG35)</td>
<td>17 1659CST 1700CST</td>
<td>0</td>
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<tr>
<td>Pleasure Pier</td>
<td>Marine Tstm Wind (MG38)</td>
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<tr>
<td>Pleasure Pier</td>
<td>Marine Tstm Wind (MG34)</td>
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</table>

## TEXAS, Central Southeast

### Harris County

**Aldine**

- Flooding in and around Aldine
- Flash Flood

### Wharton County

**8 SW El Campo**

- Storage shed destroyed with its tin debris field spread to the northeast 1/4 mile.
- Tornado (F0)

**5 S El Campo**

- 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.
- Tornado (F0)

### Matagorda County

**Clemville**

- Tornado touched down in town of Clemville damaging the roofs of two homes.
- Tornado (F0)

### Wharton County

**3 NE Pierce**

- Tornado reported by Wharton County EMC as blowing automobiles off the highway.
- Tornado (F0)

**2 S Wharton**

- Tornado reported touching down near Highway 59 and Colorado River.
- Tornado (F0)

**4 WNW Boling**

- Tornado damaged three barns and broke several tree limbs.
- Tornado (F0)

### Fort Bend County

**Kendleton**

- Extensive flooding in and around Kendleton. Flooding extended into the towns of Needville and Mission Bend.
- Flash Flood

**Sugarland**

- 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.
- Tornado (F2)
Texas, Central Southeast

11 N Stafford to 1.5 NNE Stafford

<table>
<thead>
<tr>
<th>Location</th>
<th>Date</th>
<th>Time Local/Standard</th>
<th>Path Length (Miles)</th>
<th>Path Width (Yards)</th>
<th>Number of Persons Killed</th>
<th>Injured</th>
<th>Estimated Damage</th>
<th>Character of Storm</th>
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<tbody>
<tr>
<td>Harris County</td>
<td>17</td>
<td>1215CST</td>
<td>0.5</td>
<td>50</td>
<td>0</td>
<td>0</td>
<td>300K</td>
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<tr>
<td>7 SSE Alief to 7.5 SSE Alief</td>
<td>17</td>
<td>1220CST</td>
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<td>50</td>
<td>0</td>
<td>0</td>
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<td>0</td>
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<tr>
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<td>1430CST 1404CST</td>
<td>1</td>
<td>1</td>
<td>3M</td>
<td></td>
<td></td>
<td>Flash Flood</td>
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<tr>
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<td>15K</td>
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<td></td>
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<tr>
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<td>75</td>
<td>0</td>
<td>1</td>
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<td>0</td>
<td>0</td>
<td>100K</td>
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<tr>
<td>Dickinson</td>
<td>17</td>
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<td>30</td>
<td>0</td>
<td>0</td>
<td>30K</td>
<td>Tornado (F0)</td>
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</table>

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.

Tornado moved over the intersection of West Bellfort and Kirkwood. Numerous apartments lost roofs in the extensive SW Village Apartment Complex damage.

Tornado spotted by an FAA employee at Bush-Intercontinental Airport.

Flooding in and around the town of Wharton.

Flooding in the New Caney and Porter areas.

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

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.

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.

Tornado touched down in Santa Fe along 4th Street and FM 1764.

Tornado damaged local car dealership's sign and rearranged a few cars in lot with tree damage along I-45.
TEXAS, Central Southeast

Chambers County

Beach City

Tornado touch down near Beach City.

Harris County

Deer Park

Tornado on Somerset Street in Deer Park with minor home damage.

Chambers County

2 W Wallisville

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

J SE Moss Bluff

Tornado downed some trees as it touched down along Highway 563.

Liberty County

J E Moss Bluff

Tornado downed trees and severely damaged a garage.

Liberty County

Plum Grove

6 to 7 homes flooded in Plum Grove with flooded roads in and around Hardin.

Galveston County

Friendswood

Tornado touch down at FM 528 and FM 518. Tornado crossed Clear Creek and moved 1/4 mile into Harris County.

Harris County

Friendswood

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

Tornado struck a Friendswood church on FM 2351. Church's sanctuary received damage, church's bell tower completely torn off.

Galveston County

Friendswood

Tornado hit a Friendswood home subdivision. Numerous homes received roof damage, garage door damage, and tree damage

Harris County

2.5 N Baytown

Tornado touch down in Northern Baytown causing minor roof and tree damage near Lynchburg-Cedar Bayou Road at Barkuloo
 TEXAS, Central Southeast

### Brazoria County
- **Pearland**
  - Date: 17/18 November 2003
  - Time: 2200/0000 CST
  - Path Length: 0
  - Path Width: 0
  - Number of Persons Killed: 0
  - Number of Persons Injured: 0
  - Estimated Property Damage: 5K
  - Character of Storm: Flash Flood

  Flooding across northern Brazoria County.

### Galveston County
- **Friendswood**
  - Date: 17/18 November 2003
  - Time: 2205/0030 CST
  - Path Length: 0
  - Path Width: 0
  - Number of Persons Killed: 0
  - Number of Persons Injured: 0
  - Estimated Property Damage: 5K
  - Character of Storm: Flash Flood

  Flooding across northern Galveston County.

### Harris County
- **Baytown**
  - Date: 17 November 2003
  - Time: 2230/2235 CST
  - Path Length: 1.5
  - Path Width: 50
  - Number of Persons Killed: 0
  - Number of Persons Injured: 3
  - Estimated Property Damage: 225K
  - Character of Storm: Tornado (F1)

  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**
    - Date: 17 November 2003
    - Time: 2335/2345 CST
    - Path Length: 1
    - Path Width: 50
    - Number of Persons Killed: 0
    - Number of Persons Injured: 0
    - Estimated Property Damage: 300K
    - Character of Storm: Tornado (F1)

    Tornado touch down in White Harring 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.