



# National Weather Service

## Storm Data and Unusual Weather Phenomena



December 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 South Jetty	Galveston Bay 04 0648CST Measured at South Jetty.				0	0			Marine Tstm Wind (G36)
GMZ355 South Jetty	High Is To Freeport Tx Out 20Nm 04 0648CST Measured at South Jetty.				0	0			Marine Tstm Wind (G36)
GMZ370 Buoy 42019	Freeport To Matagorda Ship Chnl 20 To 60Nm 12 1300CST Measured at Buoy 42019.				0	0			Marine Tstm Wind (G35)
GMZ350 Freeport	Freeport To Matagorda Ship Chnl Out 20Nm 23 2236CST Measured at TCOONs site (065).				0	0			Marine Tstm Wind (G39)
GMZ355 13 W Galveston	High Is To Freeport Tx Out 20Nm 23 2236CST Measured at Jamaica Beach.				0	0			Marine Tstm Wind (G45)
GMZ335 South Jetty	Galveston Bay 23 2254CST Measured at South Jetty.				0	0			Marine Tstm Wind (G50)
GMZ370 Buoy 42019	Freeport To Matagorda Ship Chnl 20 To 60Nm 30 2100CST Measured at Buoy 42019.				0	0			Marine Tstm Wind (G43)
GMZ335 South Jetty	Galveston Bay 30 2112CST Measured at South Jetty.				0	0			Marine Tstm Wind (G40)
GMZ355 South Jetty	High Is To Freeport Tx Out 20Nm 30 2112CST Measured at South Jetty.				0	0			Marine Tstm Wind (G40)
GMZ355 South Jetty	High Is To Freeport Tx Out 20Nm 30 2136CST Measured at South Jetty.				0	0			Marine Tstm Wind (G43)
GMZ370 Buoy 42019	Freeport To Matagorda Ship Chnl 20 To 60Nm 30 2200CST Measured at Buoy 42019.				0	0			Marine Tstm Wind (G37)
GMZ355 Pleasure Pier	High Is To Freeport Tx Out 20Nm 30 2200CST Measured at Pleasure Pier.				0	0			Marine Tstm Wind (G56)
GMZ355 South Jetty	High Is To Freeport Tx Out 20Nm 30 2236CST Measured at South Jetty.				0	0			Marine Tstm Wind (G39)
GMZ355 South Jetty	High Is To Freeport Tx Out 20Nm 30 2242CST Measured at South Jetty.				0	0			Marine Tstm Wind (G39)

### TEXAS, Central Southeast

Brazoria County Northeast Portion	04 0610CST 0700CST				0	0	2K		Flash Flood
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### TEXAS, Central Southeast

Flooding in extreme northeast portion of county.

**Harris County  
South Portion**

<b>04</b>	<b>0625CST 0650CST</b>								
		<b>0</b>	<b>0</b>	<b>10K</b>					<b>Flash Flood</b>

Flooding in the Southwest Freeway and Hillcroft areas.

**Galveston County  
Central Portion**

<b>04</b>	<b>0630CST 1135CST</b>								
		<b>0</b>	<b>0</b>	<b>20K</b>					<b>Flash Flood</b>

Flooding from League City to Dickinson with numerous roads underwater and impassable.

**Chambers County  
East Portion**

<b>04</b>	<b>0650CST 1140CST</b>								
		<b>0</b>	<b>0</b>	<b>9K</b>					<b>Flash Flood</b>

Flooding around Highway 124 near Winnie; numerous roads underwater and impassable.

**Jackson County  
La Ward**

<b>12</b>	<b>0700CST</b>								
		<b>0</b>	<b>0</b>	<b>5K</b>					<b>Hail(1.75)</b>

1.75 inch hail in La Ward.

**Jackson County  
Lolita**

<b>12</b>	<b>0700CST</b>								
		<b>0</b>	<b>0</b>	<b>5K</b>					<b>Hail(1.75)</b>

1.75 inch hail in Lolita.

**Jackson County  
Ganado**

<b>12</b>	<b>0715CST</b>								
		<b>0</b>	<b>0</b>	<b>15K</b>					<b>Hail(2.75)</b>

2.75 inch hail in Ganado.

**Wharton County  
El Campo**

<b>12</b>	<b>0720CST</b>								
		<b>0</b>	<b>0</b>	<b>1K</b>					<b>Hail(0.75)</b>

0.75 inch hail in El Campo.

**Austin County  
2 S Cat Spg**

<b>12</b>	<b>1100CST 1102CST</b>								
		<b>0</b>	<b>0</b>	<b>5K</b>					<b>Thunderstorm Wind</b>

Tree downed by wind near FM 949 about 2 miles south of FM 1094.

**Waller County  
Hempstead**

<b>12</b>	<b>1230CST</b>								
		<b>0</b>	<b>0</b>	<b>15K</b>					<b>Thunderstorm Wind</b>

Wind damage to a home in Hempstead.

**Washington County  
10 SW Burton**

<b>23</b>	<b>0910CST</b>		<b>0.2</b>	<b>20</b>					
		<b>0</b>	<b>0</b>	<b>7K</b>					<b>Tornado (F0)</b>

Tornado near Ledbetter.

**Burleson County  
Lyons**

<b>23</b>	<b>0943CST</b>								
		<b>0</b>	<b>0</b>	<b>2K</b>					<b>Hail(1.00)</b>

1.00 inch hail in Lyons.

**Colorado County  
Weimar**

<b>23</b>	<b>0951CST</b>		<b>0.3</b>	<b>20</b>					
		<b>0</b>	<b>0</b>	<b>18K</b>					<b>Tornado (F0)</b>

Tornado damaged part of a Catholic cemetery.

**Brazos County  
Allenfarm**

<b>23</b>	<b>1120CST</b>		<b>0.5</b>	<b>30</b>					
		<b>0</b>	<b>0</b>	<b>5K</b>					<b>Tornado (F0)</b>

Tornado near Allenfarm at FM 159 and Highway 105.

**Grimes County  
Bedias**

<b>23</b>	<b>1215CST</b>								
		<b>0</b>	<b>0</b>	<b>8K</b>					<b>Thunderstorm Wind (G52)</b>

Wind damage in Bedias.



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<b>TEXAS, Central Southeast</b>									
<b>Grimes County</b>									
2 E Bedias	23	1215CST	0.5	30	0	0	7K		Tornado (F0)
Tornado 2 miles east of Bedias.									
<b>Madison County</b>									
6 E Midway	23	1245CST	1	30	0	2	55K		Tornado (F1)
Tornado touched down near the Trinity River in eastern Madison County and overturned a mobile home. Two injuries were reported. Nearby buildings were also damaged by the tornado.									
<b>Montgomery County</b>									
5 SW Conroe	23	1320CST	0.5	20	0	0	7K		Tornado (F0)
Tornado spotted near FM 1488 and Highway 242.									
<b>San Jacinto County</b>									
Evergreen	23	1355CST	0.5	20	0	0	10K		Tornado (F0)
Tornado damaged some trees near Evergreen.									
<b>San Jacinto County</b>									
Coldspring	23	1530CST	0.5	30	0	0	25K		Tornado (F0)
Tornado damaged a boat in Cape Royale.									
<b>Brazos County</b>									
3 N Kurten	23	1655CST			0	0	5K		Hail(0.75)
0.75 inch hail.									
<b>Madison County</b>									
3 N Madisonville	23	1705CST			0	0	10K		Hail(1.75)
1.75 inch hail.									
<b>Burleson County</b>									
Chrisman	23	1901CST			0	0	15K		Thunderstorm Wind (G52)
Roof of porch blown off by wind.									
<b>Burleson County</b>									
Caldwell	23	1905CST			0	0	10K		Hail(1.75)
1.75 inch hail.									
<b>Brazos County</b>									
Bryan	23	1935CST			0	0	15K		Hail(1.75)
1.75 inch hail.									
<b>Madison County</b>									
Madisonville	23	2010CST			0	0	15K		Hail(1.75)
1.75 inch hail.									
<b>Washington County</b>									
Burton	23	2010CST	0.5	20	0	0	5K		Tornado (F0)
Tornado in Burton.									
<b>Colorado County</b>									
10 W Columbus	23	2020CST			0	0	7K		Hail(0.75)
0.75 inch hail.									
<b>Colorado County</b>									
10 S Columbus	23	2020CST			0	0	10K		Thunderstorm Wind (G52)
Wind damage on FM 806.									
<b>Madison County</b>									
3 ENE Madisonville	23	2020CST			0	0	10K		Hail(1.75)
1.75 inch hail.									



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### TEXAS, Central Southeast

#### Austin County

Wallis to 2 SE Wallis	23	2055CST 2105CST			0	0	45K		Thunderstorm Wind (G52)
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Trees downed, barns and buildings damaged along Highway 36 between Wallis and Orchard.

#### Wharton County

Wharton	23	2055CST			0	0	35K		Thunderstorm Wind (G52)
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Roof blown off a business.

#### Polk County

Livingston	23	2100CST			0	0	3K		Hail(0.75)
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0.75 inch hail.

#### Wharton County

Wharton	23	2101CST			0	0	35K		Thunderstorm Wind (G52)
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Roof damage, trees down and light poles down in and around Wharton.

#### Fort Bend County

Fulshear	23	2112CST			0	0	1K		Thunderstorm Wind (G52)
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60 mph wind gust.

#### Harris County

Houston	23	2115CST			0	0	75K		Thunderstorm Wind (G61)
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Power lines down from estimated 70 mph winds at Westheimer and FM 1093.

#### Fort Bend County

Sugarland	23	2117CST			0	0	1K		Thunderstorm Wind (G52)
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60 mph wind gust.

#### Houston County

Kennard	23	2117CST			0	0	7K		Hail(0.75)
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0.75 inch hail.

#### Harris County

Houston	23	2120CST			0	0	5K		Hail(1.00)
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1.00 inch hail.

#### Harris County

Houston	23	2121CST			0	0	1K		Thunderstorm Wind (G52)
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60 mph wind gust.

#### Fort Bend County

Beasley	23	2125CST			0	0	15K		Thunderstorm Wind (G52)
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Wind damage to home just south of Beasley on FM 316.

#### Harris County

Houston	23	2130CST			0	0	5K		Hail(1.00)
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1.00 inch hail Kirby and Westheimer

#### Harris County

Houston	23	2130CST			0	0	1K		Thunderstorm Wind (G52)
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60 mph wind gust Kirby and Westheimer.

#### Harris County

Bellaire	23	2144CST			0	0	10K		Thunderstorm Wind (G50)
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Power lines down near Highway 6 and Bellaire.

#### Harris County

Aldine	23	2145CST			0	0	55K		Thunderstorm Wind (G52)
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Billboard signs down.

#### Matagorda County

Palacios	23	2200CST			0	1	150K		Thunderstorm Wind (G52)
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### TEXAS, Central Southeast

TV tower fell on trailer.

**Brazoria County**  
**Angleton**

**23 2206CST**      **0**      **0**      **25K**      **Thunderstorm Wind (G50)**  
Trees and power lines down.

**Liberty County**  
**Liberty**

**23 2215CST**      **0**      **0**      **70K**      **Thunderstorm Wind (G55)**  
Damage to homes, carports and patio covers, high school press box and dugouts; trees and power lines down

**Liberty County**  
**Liberty**

**23 2218CST**      **0.3**      **30**      **0**      **0**      **30K**      **Tornado (F0)**  
Building damaged.

**Chambers County**  
**Mont Belvieu**

**23 2232CST**      **0**      **0**      **20K**      **Thunderstorm Wind (G52)**  
Wind damage.

This December 23rd tornado and severe thunderstorm outbreak developed as a strong upper level low pressure system moved out of the southwestern U.S. and off to the east and northeast across the state of Texas. Abundant low level moisture was already in place across southeast Texas. Very strong shear, or turning and strengthening of the winds with height, was expected to last throughout the day. A warm front moved northward throughout the day and became a focus for the development of showers and thunderstorms. With the strong shear present, a significant number of thunderstorms quickly became severe. During an eighteen hour stretch, ten tornadoes and several large hail events were reported mainly north and west of the Houston area. Locations from the Houston area to the beaches felt the brunt of this event in the evening when a squall line rapidly moved eastward toward the coast. Three injuries and over \$800,000 in damage occurred with this outbreak.

**Wharton County**  
**5 N El Campo**

**30 1915CST**      **0**      **0**      **10K**      **Thunderstorm Wind (G60)**  
Wind damage to the roof of a home in the New Taiton area.

**Wharton County**  
**5 NE Wharton**

**30 1915CST**      **0**      **0**      **12K**      **Thunderstorm Wind (G60)**  
Some power lines down and a roof blown off a barn on Chudalla Road.

**Montgomery County**  
**Magnolia**

**30 1935CST**      **0**      **0**      **20K**      **Thunderstorm Wind (G60)**  
Roof damage, power lines down and more than fifty trees down in and around Indigo Lake Estates.

**Montgomery County**  
**Cut And Shoot**

**30 2000CST**      **0**      **0**      **35K**      **Thunderstorm Wind (G60)**  
Trees down in and around Cut and Shoot, including one that fell through the middle of an evacuated mobile home.

**Brazoria County**  
**Iowa Colony**

**30 2045CST**      **0**      **0**      **5K**      **Hail(0.75)**  
3/4 inch hail.

**Brazoria County**  
**Lake Jackson**

**30 2045CST**      **0**      **0**      **1K**      **Thunderstorm Wind (G65)**  
Truck blown off road.

**Harris County**  
**4 SW Seabrook**

**30 2110CST**      **0.3**      **30**      **0**      **0**      **5K**      **Tornado (F0)**  
Tornado near the intersection of FM 2094 and Clear Lake Road.



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### TEXAS, Central Southeast

#### Galveston County

##### Texas City

**30 2120CST 1.1 30 0 0 75K Tornado (F1)**

Tornado touched down near the intersection of SH 348 and Loop 197 in Texas City. Several businesses were damaged at the initial touchdown. The tornado moved east northeast and eventually crossed the Texas City dike where numerous power poles were knocked down. The tornado continued past the dike and moved into Galveston Bay as a waterspout.

#### Harris County

##### Shoreacres

**30 2125CST 0.5 30 0 0 250K Tornado (F0)**

Tornado briefly touched down before moving to the northeast into Galveston Bay as a waterspout. Several boats at the Houston Yacht Club were overturned and a large section of a metal roof was destroyed.

#### Galveston County

##### Galveston

**30 2130CST 0 0 30K Thunderstorm Wind (G65)**

140 feet of roof ripped off the Shops at the Balinese on the Galveston seawall.

#### Galveston County

##### Galveston

**30 2200CST 0 0 Thunderstorm Wind (G56)<sup>M</sup>**

64 mph wind gust at Pleasure Pier.

Exactly one week after the December 23rd outbreak, Southeast Texas received another round of severe weather as the next storm system moved out of the southwestern U.S. toward Texas. This event only lasted three hours (compared to eighteen hours on the 23rd). This event only had three tornadoes (compared to ten on the 23rd). However, damage from two of these three tornadoes was significant due to the fact that it occurred over heavily populated areas. This event had no injuries, and the total damage cost was just under \$450,000.