



# National Weather Service

## Storm Data and Unusual Weather Phenomena



June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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### TEXAS, Central Southeast

#### Harris County

Houston	01	1910CST			0	0	10K		Thunderstorm Wind
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News media reported street signs and trees down between the Medical Center and downtown Houston.

**TXZ163>164-177>179-197>200-212>214-227-237>238**

**Houston - Trinity - Walker - San Jacinto - Polk - Washington - Grimes - Montgomery - Liberty - Waller - Harris - Chambers - Fort Bend - Brazoria - Galveston**

	05 10	1300CST 0300CST			22	0	5.1B		Tropical Storm
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Tropical Storm Allison formed in the northwest Gulf of Mexico during the early afternoon of June 5th, 80 miles south of Galveston. Allison moved northward, making landfall on the west end of Galveston Island between midnight and 1am on the 6th, less than 12 hours after forming. As Allison moved inland it caused two to three foot tides, which had little impact on the area. On the evening of the 5th a tornado briefly touched down in Brazoria county causing damage to one home in the Manvel area. Over the next five days Allison produced record rainfall that led to devastating flooding across Southeast Texas, killing 22 people and damaging over 48,000 homes, 70,000 automobiles and nearly 2000 businesses.

The first significant flooding occurred while Allison was still offshore. A large spiral band with very heavy rainfall moved inland from Galveston to the Houston area, and by mid evening 8 to 12 inch totals were common from northern Galveston county into southern Harris county. Heavy rain continued over inland portions of Southeast Texas overnight with 3 to 5 inch totals common, as Allison moved inland and weakened.

On the morning of June 6th, Allison was downgraded to a tropical depression. Allison moved north until it was near Lufkin, then made a clockwise loop and began drifting to the southwest. Before sunrise on June 7th, the center was near Huntsville, and a band of heavy rain moved into Liberty county producing 5 to 10 inches of rain, causing almost a foot of water on Highway 90. Around the same time another area of thunderstorms developed over the Sugar Land - Stafford areas of Fort Bend and Harris counties, producing another 8 to 12 inches of rain and causing abundant street flooding and water in some homes. During the day moderate to heavy rain continued over Brazoria, Houston, Liberty, Polk, Trinity and Walker counties resulting in additional reports of flooding.

June 8th began with another 5 to 10 inches of rainfall along the immediate coast, causing flooding in southern Brazoria county, central Galveston county and northern Chambers county. Skies cleared for a few hours, but the rain began again that afternoon over Montgomery county. Thunderstorms intensified rapidly over southern Montgomery and eastern Harris counties and began to train across the Houston metro area that evening and into June 9th. Very heavy rainfall was observed for up to 10 hours in some locations, and rainfall rates of 4 inches or more per hour were observed throughout the night. Flash flooding initiated quite rapidly during rush hour late Friday afternoon. Widespread street flooding was the initial threat, but the high rainfall amounts forced almost all the major Houston area bayou systems into severe flooding, with some to record levels. The flooding caused a complete shutdown of downtown Houston, including all major roadways and both major airports for more than 12 hours. The Texas Medical Center along Brays Bayou sustained severe damage resulting in the complete shutdown of several hospitals and a significant loss of research data. Twenty-two people lost their lives due to the flash flooding in Harris county on the 8th and 9th.

On June 9th the circulation center of the storm gradually made its way toward Palacios. Before moving offshore, another round of heavy rain developed across southern Harris and extreme northern Galveston counties. This caused flooding along Clear Creek, putting water in homes in the Friendswood, Webster and League City areas.

F42IW, F45PH, M44IW, M22VE, M21VE, F55IW, M21IW, M30PH, F53PH, M62IW, F34VE, M38VE, M32IW, M70VE, M37VE, F69VE, M71VE, M52IW, F35IW, M42IW, M23IW, M57VE



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### TEXAS, Central Southeast

#### Galveston County

Countywide	05 06	1600CST 0200CST			0	0			Flash Flood
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    Flooding from T.S. Allison. Damage included in previous report.

#### Brazoria County

1 E Manvel	05	1630CST	0.5	30	0	0	40K		Tornado (F0)
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    A tornado touched down near Highway 6 and County Road 99, downing trees and damaging one home

#### Brazoria County

Northeast Portion	05	1715CST 2100CST			0	0			Flash Flood
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    Flooding from T.S. Allison. Damage included in previous report.

#### Harris County

South Portion	05 06	1730CST 0200CST			0	0			Flash Flood
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    Flooding from T.S. Allison. Damage included in previous report.

#### Brazoria County

Liverpool	05	1855CST			0	0			Funnel Cloud
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#### Montgomery County

Southeast Portion	05 06	2130CST 0400CST			0	0			Flash Flood
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    Flooding from T.S. Allison. Damage included in previous report.

#### Trinity County

Countywide	06	0030CST 0200CST			0	0			Flash Flood
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    Flooding from T.S. Allison. Damage included in previous report.

#### Walker County

Countywide	06	0030CST 0530CST			0	0			Flash Flood
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    Flooding from T.S. Allison. Damage included in previous report.

#### Liberty County

Southeast Portion	07	0300CST 0645CST			0	0			Flash Flood
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    Flooding from the remnants of T.S. Allison. Damage included in previous report.

#### Houston County

Countywide	07	0400CST 1230CST			0	0			Flash Flood
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    Flooding from the remnants of T.S. Allison. Damage included in previous report.

#### Fort Bend County

East Portion	07	0430CST 0900CST			0	0			Flash Flood
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    Flooding from the remnants of T.S. Allison. Damage included in previous report.

#### Harris County

Southwest Portion	07	0430CST 0900CST			0	0			Flash Flood
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    Flooding from the remnants of T.S. Allison. Damage included in previous report.

#### Brazoria County

Freeport	07	0800CST 1000CST			0	0			Flash Flood
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    Flooding from the remnants of T.S. Allison. Damage included in previous report.

#### Trinity County

Countywide	07	0800CST 1230CST			0	0			Flash Flood
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    Flooding from the remnants of T.S. Allison. Damage included in previous report.



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### TEXAS, Central Southeast

#### Walker County

North Portion	07	0800CST 1230CST			0	0			Flash Flood
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Flooding from the remnants of T.S. Allison. Damage included in previous report.

#### Houston County

Countywide	07 08	2000CST 0700CST			0	0			Flash Flood
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Flooding from the remnants of T.S. Allison. Damage included in previous report.

#### Liberty County

South Portion	07 08	2000CST 0800CST			0	0			Flash Flood
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Flooding from the remnants of T.S. Allison. Damage included in previous report.

#### Walker County

Countywide	07 08	2200CST 0015CST			0	0			Flash Flood
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Flooding from the remnants of T.S. Allison. Damage included in previous report.

#### Trinity County

Countywide	08	0200CST 0700CST			0	0			Flash Flood
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Flooding from the remnants of T.S. Allison. Damage included in previous report.

#### Walker County

Countywide	08	0200CST 0500CST			0	0			Flash Flood
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Flooding from the remnants of T.S. Allison. Damage included in previous report.

#### Galveston County

Santa Fe	08	0310CST 0315CST			0	0	30K		Thunderstorm Wind
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A building under construction sustained a damaged roof, twisted rafters and a collapsed frame. Numerous trees and fences were blown down.

#### Brazoria County

South Portion	08	0400CST 0800CST			0	0			Flash Flood
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Flooding from the remnants of T.S. Allison. Damage included in previous report.

#### Galveston County

Central Portion	08	0400CST 0600CST			0	0			Flash Flood
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Flooding from the remnants of T.S. Allison. Damage included in previous report.

#### Chambers County

North Portion	08	0430CST 0615CST			0	0			Flash Flood
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Flooding from the remnants of T.S. Allison. Damage included in previous report.

#### Polk County

North Portion	08	0600CST 0730CST			0	0			Flash Flood
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Flooding from the remnants of T.S. Allison. Damage included in previous report.

#### Walker County

Countywide	08	1520CST 2000CST			0	0			Flash Flood
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Flooding from the remnants of T.S. Allison. Damage included in previous report.

#### Montgomery County

Countywide	08 09	1525CST 1200CST			0	0			Flash Flood
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Flooding from the remnants of T.S. Allison. Damage included in previous report.

#### San Jacinto County

2 SE Maynard	08	1530CST			0	0	15K		Thunderstorm Wind
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Trees and power lines down along FM 1725.



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### TEXAS, Central Southeast

#### Montgomery County

<b>The Woodlands</b>	08	1600CST 1730CST			0	0			<b>Funnel Cloud</b>
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Numerous reports of funnel clouds in The Woodlands area.

#### Harris County

<b>Countywide</b>	08 09	1700CST 2100CST			0	0			<b>Flash Flood</b>
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Flooding from the remnants of T.S. Allison. Damage and fatalities included in previous report.

#### Harris County

<b>Galena Park</b>	08	1710CST			0	0			<b>Funnel Cloud</b>
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#### Washington County

<b>Countywide</b>	08	1800CST 2200CST			0	0			<b>Flash Flood</b>
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Flooding from the remnants of T.S. Allison. Damage included in previous report.

#### Harris County

<b>Spring</b>	08	1910CST			0	0			<b>Funnel Cloud</b>
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#### Brazoria County

<b>Northeast Portion</b>	08 09	2000CST 0730CST			0	0			<b>Flash Flood</b>
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Flooding from the remnants of T.S. Allison. Damage included in previous report.

#### Fort Bend County

<b>East Portion</b>	08 09	2000CST 0800CST			0	0			<b>Flash Flood</b>
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Flooding from the remnants of T.S. Allison. Damage included in previous report.

#### Grimes County

<b>Southeast Portion</b>	09	0045CST 0600CST			0	0			<b>Flash Flood</b>
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Flooding from the remnants of T.S. Allison. Damage included in previous report.

#### Waller County

<b>Northeast Portion</b>	09	0045CST 0430CST			0	0			<b>Flash Flood</b>
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Flooding from the remnants of T.S. Allison. Damage included in previous report.

#### Washington County

<b>East Portion</b>	09	0045CST 0430CST			0	0			<b>Flash Flood</b>
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Flooding from the remnants of T.S. Allison. Damage included in previous report.

#### Galveston County

<b>North Portion</b>	09	0100CST 0900CST			0	0			<b>Flash Flood</b>
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Flooding from the remnants of T.S. Allison. Damage included in previous report.

#### San Jacinto County

<b>Countywide</b>	09	0750CST 1030CST			0	0			<b>Flash Flood</b>
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Flooding from the remnants of T.S. Allison. Damage included in previous report.

#### Harris County

<b>Ellington Field</b>	09	1120CST			0	0			<b>Funnel Cloud</b>
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#### Brazoria County

<b>Countywide</b>	09	1200CST 1400CST			0	0			<b>Flash Flood</b>
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Flooding from the remnants of T.S. Allison. Damage included in previous report.

#### Fort Bend County

<b>East Portion</b>	09	1200CST 1400CST			0	0			<b>Flash Flood</b>
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Flooding from the remnants of T.S. Allison. Damage included in previous report.



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<b>TEXAS, Central Southeast</b>									
<b>Chambers County</b>									
North Portion	09	1230CST 1830CST			0	0			Flash Flood
Flooding from the remnants of T.S. Allison. Damage included in previous report.									
<b>Galveston County</b>									
North Portion	09 10	1230CST 0230CST			0	0			Flash Flood
Flooding from the remnants of T.S. Allison. Damage included in previous report.									
<b>Liberty County</b>									
South Portion	09	1300CST 1400CST			0	0			Flash Flood
Flooding from the remnants of T.S. Allison. Damage included in previous report.									
<b>Brazoria County</b>									
Countywide	09 10	2230CST 0300CST			0	0			Flash Flood
Flooding from the remnants of T.S. Allison. Damage included in previous report.									
<b>Trinity County</b>									
Trinity	15	0015CST			0	0	1K		Thunderstorm Wind
Large oak tree down on Highway 94.									
<b>Grimes County</b>									
Anderson	15	0256CST			0	0	1K		Thunderstorm Wind
Large tree down on FM 1774.									
<b>Harris County</b>									
Galena Park	21	1442CST 1445CST			0	0	10K		Thunderstorm Wind
Power lines down.									
<b>Harris County</b>									
Deer Park	21	1455CST			0	0	5K		Hail (0.75)
<b>Brazos County</b>									
Bryan	21	2130CST 2140CST			0	0	20K		Thunderstorm Wind
Trees uprooted and power lines down.									
<b>Harris County</b>									
Houston	26	1430CST			0	0	15K		Hail (0.88)
Nickel size hail at Northline Mall.									
<b>Harris County</b>									
Aldine	26	1445CST 1450CST			0	0	10K		Hail (0.75)
Dime size hail at Beltway 8 and The Hardy Toll Road.									
<b>Liberty County</b>									
1 N Cleveland	27	1835CST			0	0	20K		Thunderstorm Wind
Trees and power lines down.									
<b>Harris County</b>									
Houston to Crosby	28	1730CST 1745CST			0	0	30K		Hail (0.88)
Nickel size hail across the eastern portion of the county.									
<b>Harris County</b>									
Houston to Crosby	28	1730CST 1745CST			0	0	30K		Thunderstorm Wind
Trees down across the eastern portion of the county.									
<b>Harris County</b>									
Crosby	28	1732CST			0	0	5K		Hail (0.75)



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					Killed	Injured	Property	Crops	

### TEXAS, Central Southeast

<b>Harris County</b>									
Cloverleaf	28	1733CST			0	0			Funnel Cloud
			Funnel cloud at I-10 and Beltway 8						
<b>Liberty County</b>									
3 W Dayton	28	1830CST			0	0			Funnel Cloud
<b>Liberty County</b>									
Kenefick	28	1850CST 1955CST			0	0	10K		Thunderstorm Wind
			Trees and power lines down.						
<b>Montgomery County</b>									
1 W Lake Conroe Dam	28	1911CST			0	0	10K		Hail (1.00)
<b>Harris County</b>									
1 NW Houston	29	1412CST			0	0	5K		Hail (0.75)
			Dime size hail near Beltway 8 and U.S. Highway 290.						
<b>Harris County</b>									
Houston	29	1430CST			0	0	20K		Hail (1.00)
			Quarter size hail in downtown Houston.						
<b>Harris County</b>									
Houston	29	1452CST			0	0			Funnel Cloud
			Funnel cloud reported in the Greenspoint Area.						
<b>Harris County</b>									
Cypress	29	1525CST			0	0	5K		Hail (0.75)
			Dime size hail at U.S. Highway 290.						