



# National Weather Service

## Storm Data and Unusual Weather Phenomena



June 2006

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

GMZ230	Corpus Christi To Baffin Bay								
Port Aransas	26	1523CST			0	0			Marine Tstm Wind (MG37)
GMZ255	Matagorda Ship Chnl To Pt Aransas Out 20Nm								
Port Aransas	26	1523CST			0	0			Marine Tstm Wind (MG37)
GMZ250	Pt Aransas To Baffin Bay Tx Out 20Nm								
Port Aransas	26	1523CST			0	0			Marine Tstm Wind (MG37)
GMZ235	Pt O'Connor To Aransas Pass								
Port Aransas	26	1523CST			0	0			Marine Tstm Wind (MG37)

### TEXAS, Mid - South

Nueces County	Corpus Christi								
	01	0000CST 0615CST			0	0	300K		Flash Flood



*Stranded vehicles on Highway 44 near Clarkwood Rd., just west of the Corpus Christi International Airport, on the morning of June 1st.*  
 Nearly 12 inches of rain fell across west-central Corpus Christi during the late night hours of May 31st and the early morning hours of June 1st. The flooding began at roughly 2345 CST on May 31st and continued through roughly 0615 CST on June 1st. The Corpus Christi International Airport recorded a 24 hour rainfall total of 11.47", establishing a new all time 24 hour precipitation record. Numerous city streets became flooded, along with a seven mi

Nueces County  
Corpus Christi

01	0015CST							
				0	0			<b>Lightning</b>

Lightning struck a waste oil tank at the Valero Bill Greehey Refinery between 100 and 130 AM CDT. The lightning strike resulted in a fire as well as an oil spill. The fire destroyed the large oil storage tank and part of the pipe rack behind it, used to offload oil from ships. The oil spilled into a containment dike. The heavy rainfall, as well as well as water used to put out the fire, caused the oil to spill over the containment dike and into the Corpus Christi Ship Channel. Valero estimated roughly 63,000 gallons of an oil water mix (roughly 1500 barrels) spilled into the ship channel. The Corpus Christi Ship Channel was closed for several days while the oil was cleaned up.

Dollar estimates on the damage that occurred to the tank and pipe rack, as well as the cost of the oil and cleanup, were unknown at the time of this publication.

See episode narrative below for further details on the event



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### TEXAS, Mid - South

#### Victoria County Central Portion

01	0330CST				0	0			<b>Flash Flood</b>
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Heavy rainfall rainfall since May 28th had left portions of Victoria County saturated. As heavy rainfall began falling again during the early morning hours of June 1st, several city streets in the city of Victoria, as well as several Farm to Market Roads and County Roads throughout Central Victoria County, became flooded and impassable.

See episode narrative below for further details on the event.

#### Nueces County

##### 3 S Crps Christi Intl Ar

01	0430CST				0	0			<b>Flood</b>
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Heavy rainfall of nearly 12 inches caused the Oso Creek at Corpus Christi to reach 25.56 feet during the mid afternoon hours of the 1st, resulting in major flooding in the basin. Property and some buildings along Oso Creek at F.M. 763 were flooded. This was the sixth highest crest ever recorded along Oso Creek.

#### Aransas County

##### Rockport

01	0645CST				0	0			<b>Flash Flood</b>
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Between 4 and 6 inches of rain fell in Rockport, leaving some city streets flooded, including Market Street at Business 35.

#### Calhoun County

##### Countywide

01	1000CST				0	0			<b>Flash Flood</b>
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Widespread heavy rainfall led to flash flooding along several roads in the Port O'Connor and Magnolia Beach areas. Several roads were impassable but to large trucks.

See episode narrative below for further details on the event

#### Kleberg County

##### Countywide

01	2115CST				0	0	300K		<b>Flash Flood</b>
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02	1900CST								
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### TEXAS, Mid - South



*Low water crossing the near Ricardo, TX on the morning of June 2nd.*

An epic flash flood event across much of Kleberg County began in the late evening on the 1st and continued through much of June 2nd. 14.52 inches of rainfall was recorded by a volunteer NWS observer 2 miles east of Ricardo. Satellite precipitation estimates indicated up to 20 inches of rainfall may have fallen just east of the volunteer observer's location. Many Farm to Market and County Roads were flooded as well as U.S. 77 at Ricardo and several streets in Kingsville. About 30 residents in a flood plain along F.M. 1717, southeast of Kingsville, had to be evacuated for their safety from the rising water.

Dollar estimates on the damages are rough, conservative estimates and are likely underestimated. See episode narrative below for further details on the event.

#### **Jim Wells County**

**South Central Portion**

<b>02</b>	<b>0500CST 1600CST</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
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Heavy rainfall fell across all of Kleberg County and a portion of Southern Jim Wells County during the early morning hours of June 2nd. Several Country Roads became flooded and impassable, including a large section of C.R. 428, west of Premont.

See episode narrative below for further details on the event.

#### **Duval County**

**San Diego**

<b>02</b>	<b>1400CST 1600CST</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
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Heavy rainfall left most city streets impassable, with two feet of water covering many of them

The heavy rainfall episode started on May 28th and lasted through June 2nd. During these six days a series of heavy rainfall events erased rainfall deficits in the Victoria, Corpus Christi, and the Kingsville areas and left them with rainfall surpluses, in addition to flooded fields, roadways and homes.

Some of the key highlights from this active week included an all time 24 hour record rainfall total of 11.47 inches at the Corpus Christi International Airport, breaking a record which stood since 1931. In just one hour the Corpus Christi International Airport doubled their year to date rainfall total, and in just 6 hours saw five times the amount of rainfall they had seen since January 1st.



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### TEXAS, Mid - South

Also, a daily record rainfall for May 28th was broken at Victoria, when the municipal airport received 5.39 inches of rain. Other locations received even higher daily amounts, including the hard hit area around Ricardo, which received around 14 inches of rain early on the morning of June 2nd. The strong thunderstorms and flooding resulted in unfortunate results, including one death indirectly due to the flooding, a fire at the Valero refinery, as well as an oil spill affecting Corpus Christi Ship Channel

On the evening of May 31, an upper level low, as well as surface low over the Western Gulf of Mexico, began to move west, bringing its affects to the Coastal Plains region of South Texas. Also, this storm system began to develop tropical characteristics from May 31st through June 2nd, generating showers and thunderstorms during the late evening and overnight hours, with the showers and storms generally weakening during the late afternoon hours.

During the late evening hours of May 31st, the surface low and convergence axis pulled up stationary across Nueces County. Very heavy rainfall began falling across the northwest and west side of Corpus Christi, including over the refineries, Corpus Christi International Airport and Oso Creek Basin. Over the course of the next four to six hours showers and thunderstorms remained nearly stationary, dumping extraordinary amounts of rainfall across the west and northwest side of Corpus Christi. The surface trough began to slowly push northeast by daybreak on June 1st, and the heavy rainfall shifted into the Northern Coastal Bend as well as the Victoria region.

The heavy rainfall also caused the Oso Creek at Corpus Christi to reach 25.56 feet during the mid afternoon hours of the 1st, resulting in major flooding in the basin and flooding of property and some homes along the creek.

The storm system began to shift southwest on the afternoon of June 1st, and weakened slightly. However, showers and thunderstorms redeveloped late in the evening and continued through the mid afternoon hours on June 2. This time the heaviest rainfall occurred further south, across Kleberg and Jim Wells counties. Nearly 14 inches of rain were observed by a coop observer just east of Ricardo, and nearly nine inches of rain was reported by an observer in Kingsville. Satellite precipitation estimates indicate nearly 20 inches of rain may have fallen 3 to 4 miles east of Ricardo during the early morning hours of the 2nd. Several creeks in Kingsville as well as near Ricardo experienced flash flooding. Sporadic flooding was also observed in portions of Jim Wells and Duval counties. By the evening of June 2nd all of the heavy rainfall ended as the system weakened over Deep South Texas.

Below are selected cumulative rainfall totals from May 28th through June 2nd for some of the hardest hit areas:

- Aransas Wildlife Refuge...9.81
- Austwell...8.55
- Bishop...6.19
- Coleto Creek...5.34
- Corpus Christi International Airport...12.50
- Goliad North Street...10.08
- Kingsville Naval Air Station...8.09
- Port Lavaca...13.08
- Port O'Connor...13.69
- Ricardo 2 miles east...14.52
- Rockport 3 miles north...8.25
- Victoria Regional Airport...9.73

TXZ229>234-239>247

**La Salle - McMullen - Live Oak - Bee - Goliad - Victoria - Webb - Duval - Jim Wells - Kleberg - Nueces - San Patricio - Aransas - Refugio - Calhoun**

<b>01</b>	<b>0000CST</b>	<b>0</b>	<b>0</b>	<b>Drought</b>
<b>30</b>	<b>2359CST</b>			

Scattered and very beneficial rainfall fell across portions of the Coastal Bend and Victoria Crossroads during the month of June, providing some relief to long-term drought conditions, yet producing flash flooding in some areas. The rainfall episode of May 28th through June 2nd across portions of the Coastal Bend and Victoria Crossroads, in particular Nueces and Kleberg counties, produced some rainfall amounts in excess of 10 inches. Additional rainfall impacted the Victoria area and Northern Coastal Bend on June 18th, with some locations seeing rainfall of 1 to 2 inches. On June 20th very heavy rainfall was observed across Calhoun county as well as portions on Aransas, Refugio and Victoria counties. Some locations across Calhoun county observed 10 to 15 inches of rainfall on the 20th.

Unfortunately much lesser amounts during the month were observed further west, across the Rio Grande Plains, and further northwest in the Nueces and Frio River basins.

The Corpus Christi International Airport recorded a beneficial 11.19 inches of rainfall during June of 2006, which was 7.66 inches above normal. Most of this fell during the early morning hours of June 1st. The Victoria Regional Airport recorded 4.72 inches,



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### TEXAS, Mid - South

which was 0.24 inches below normal. The Laredo International Airport only recorded 1.85 inches of rainfall, which was 1.14 inches below normal.

By the end of the month the U.S. Drought Monitor showed exceptional drought conditions persisting across the Rio Grande Plains. Severe to extreme drought conditions were indicated across the Western Coastal Bend. Conditions across the coastal counties and Victoria Crossroads improved to moderate drought conditions to abnormally dry conditions.

Some locations across the Coastal Bend and Victoria Crossroads saw improvement in soil conditions, providing relief to growing crops. But some locations across the Northern Coastal areas received too much rainfall and crop damage likely occurred. Rainfall across the Western Coastal Bend and Rio Grande Plains was insufficient and did not provided significant relief to soil conditions, and crops still struggled. Many ranchers were still relying on hay to feed cattle, and in some locations ranchers continued to diminish their herd sizes.

Reservoir levels continued to slowly fall at Choke Canyon Reservoir and Lake Corpus Christi. The capacity at Choke Canyon at the end of June stood at 81.9%. Lake Corpus Christi fell to around 39% by the end of June. Lake Amistad pool levels also continued to slowly fall. The Coletto Creek Reservoir rose slightly

The wildfire danger decreased significantly across the coastal counties and Victoria Crossroads, but remained high across western portions of the Coastal Bend and over the Rio Grande Plains. No significant wildfires were reported over the month of June across South Texas.

#### **Calhoun County Countywide**

<b>20</b>	<b>0350CST 1300CST</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
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Showers and thunderstorms trained across much of Calhoun County for an extended time, producing a doppler radar estimated, wide swath of 6 to 12 inches of rainfall, with isolated amounts of 15 inches across northeast Calhoun County. The rainfall led to flooding of some roadways throughout the county, including areas near Seadrift, Port Lavaca and Indianola. Several vehicles were reported flooded in Indianola.

The following are some selected 24 rainfall totals from Calhoun County:

- Indianola...14.33 inches
- Port Lavaca...2.46 inches
- Port Lavaca 5 miles SW...8.28 inches
- Port O'Connor...6.6 inches
- Seadrift...5.25 inches

#### **Refugio County Northeast Portion**

<b>20</b>	<b>0700CST 1300CST</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
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Showers and thunderstorms trained across portions of extreme northeast Refugio County for an extended time, producing a doppler radar estimated swath of 6 to 12 inches of rainfall. The rainfall led to flooding of some Farm to Market roads throughout the northeast portions of the county, near Austwell. In addition, five homes were flooded in Tivoli.

The following are some selected 24 rainfall totals from Refugio County

- Austwell...13.08 inches

#### **Victoria County 12 S Victoria**

<b>20</b>	<b>0800CST 1000CST</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
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Doppler radar estimated showers and thunderstorms produced an isolated 3 to 5 inches of rainfall in the southern portion of Victoria County. Old Refugio Road at U.S. 77 was reported barricaded due to high water over the road



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					Killed	Injured	Property	Crops	

### TEXAS, Mid - South

#### Duval County

Freer	20	2030CST 2130CST			0	0			<b>Flash Flood</b>
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Doppler radar estimated 3 to 4 inches of rainfall fell over a very short period of time in Freer. A few roadways in and around Freer were flooded.

#### Nueces County

3 ENE Crps Christi Intl	26	1500CST			0	0			<b>Lightning</b>
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Lightning struck a foundation company truck on McBride Ln. One person was inside the truck at the time, but was not injured

#### Nueces County

2 N Crps Christi Intl Ar	26	1500CST			0	0	3K		<b>Thunderstorm Wind (EG50)</b>
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Six utility poles blow down at Leopard St. and Rhew Rd. (Measured gust of 42 knots was recorded 2 miles away by the CRP ASOS).

#### Nueces County

2 SE Crps Christi Intl A	26	1505CST			0	0	2K		<b>Thunderstorm Wind (EG50)</b>
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Several utility poles were blown down on Bear Lane.

#### Nueces County

5 W Chapman Ranch	26	1545CST			0	0	2K		<b>Thunderstorm Wind (EG50)</b>
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Several utility poles were blown over onto Highway 70, west of Chapman Ranch

#### Nueces County

1 SE Driscoll	30	1315CST			0	0	45K		<b>Thunderstorm Wind (EG65)</b>
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Three mobile homes were blown off their supports and destroyed in the Fiesta Ranch subdivision on County Road 75B. No injuries occurred, and no one was reported home at the time. Time of occurrence is very rough, based on radar data.