

Top Three Weather Events of 2022 for Southeast Texas

Subjective list by NWS Houston/Galveston Staff



01

02

03

01

Tornado Outbreak - March 21/22, 2022

Beasley Damage



Madisonville Damage



A warm front was moving up from the south on Monday, March 21st bringing in a moist and unstable airmass. Long track supercells initiated along the dryline near Austin around 4 PM CDT and these discrete cells progressed further east and into our northwestern counties after sunset. Multiple, strong tornadoes were produced across south-central Texas from San Antonio up through Jarrell from these supercells.

The tornadic activity continued as it moved into Southeast Texas. A long-lived supercell that tracked from Burleson County northeastward through Houston County produced five tornadoes. The storm that produced the five tornadoes above went on to produce additional tornadoes downstream in Shreveport's County Warning Area. A line of thunderstorms then passed through the region during the early morning hours of March 22nd that produced a couple of brief tornadoes along the bowing segment of the line.

The tornadoes resulted in significant damage to homes, businesses, vegetation, and other structures resulting in a total of 14 injuries (10 in the Houston County tornado, and 4 in the Beasley tornado).



01

02

03

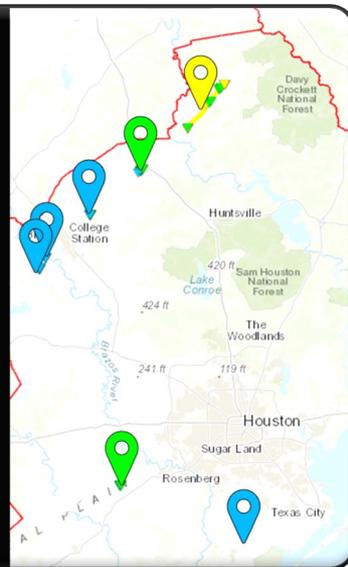


Preliminary Storm Information

3/21/2022 – 3/22/2022

Seven Tornadoes Identified during this Event:

- EF0 in Snook:
 - 08:35 PM - 08:36 PM CDT
- EF0 NE of Snook:
 - 8:40 PM CDT
- EF1 E of Wixon Valley:
 - 9:05 PM - 9:05 PM CDT
- EF1 in Madisonville:
 - 9:35 PM - 9:42 PM CDT
- EF2 in Crockett:
 - 10:10 PM - 10:30 PM CDT
- EF1 in Beasley:
 - 5:35 AM - 5:37 AM CDT
- EF0 in Danbury:
 - 7:21 AM CDT

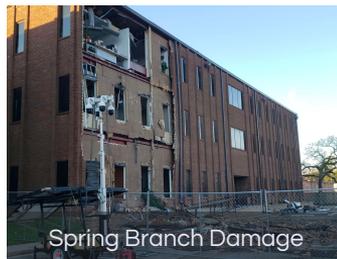
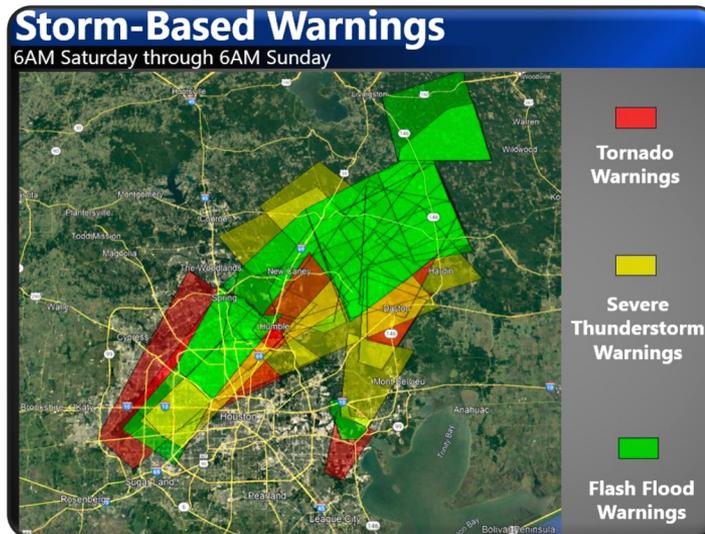


02

Tornado & Flooding Event - January 8/9, 2022

A warm front moved up through the region Saturday, January 8th ushering in a moist, unstable airmass bringing tornadoes and flooding to portions of Southeast Texas. The first two tornadoes occurred in the late afternoon on 1/8 with the first one briefly touching down on the southside of Houston Bush Intercontinental Airport (IAH) at around 3:55pm with a second tornado occurring at around 4:20pm near the town of Dayton in Liberty County. There was a lull in the tornadic activity through the rest of the evening, but then another brief tornado occurred in the town of Montgomery in Montgomery County at around 9:40pm. Before the clock struck midnight, the last tornado of the day (but not of the event) occurred in Spring Valley, Harris County at 11:55pm CST. A tornadic supercell then dropped two tornadoes a couple hours later on 1/9 twice in the town of Humble at around 1:17am CST then again in the town of Kingwood at 1:25am. This tornado in Kingwood would then be the last tornado of the event.

Scattered showers and thunderstorms produced locally heavy rainfall through the event. Some of the highest amount fell in Harris, Montgomery, Polk, and Liberty counties where Flash Flood Warning were needed. The highest rainfall total of the event was 9.92" three miles southeast of Roman Forest in Montgomery County. The flooding brought road closures to roads in Liberty County at CR2500 and at Plum Grove Rd near the town of Cleveland.



01

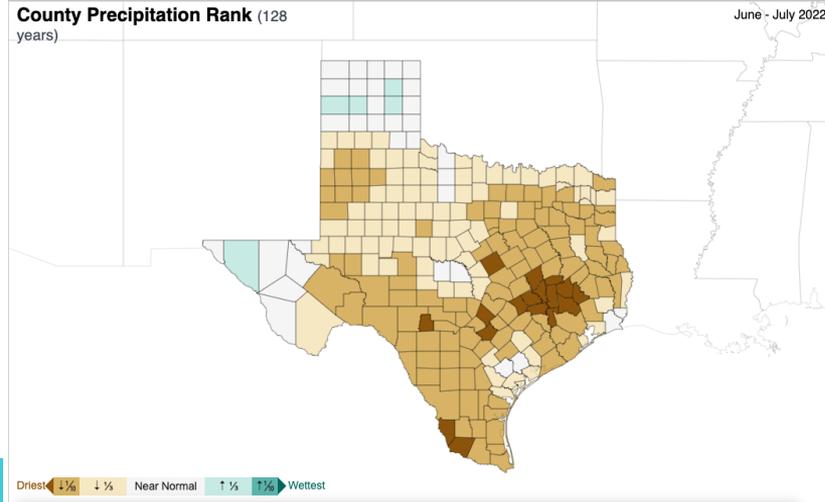
02

03

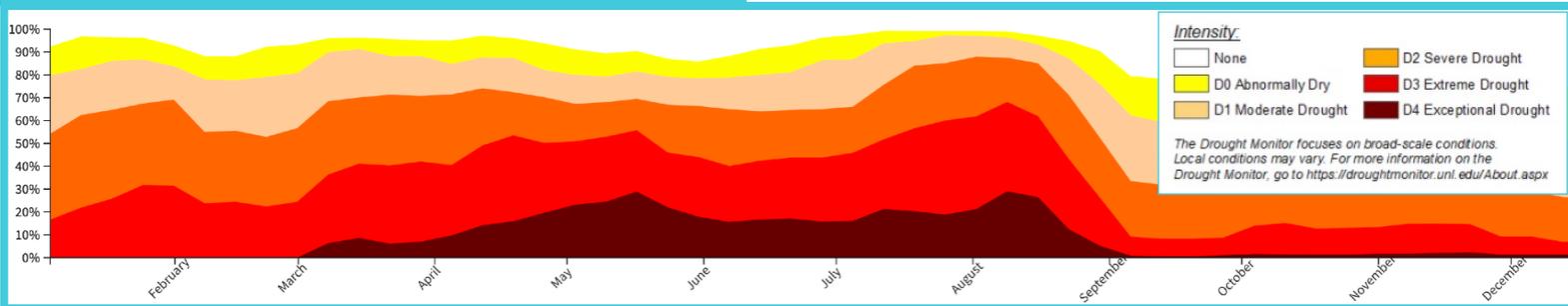
03

Drought and Extreme Heat

Persistent hot and dry weather lead to expansion of drought conditions across Texas. The worst of the drought in Southeast Texas was July to August when 100% of the area was in some category of drought with 67% of the area in Extreme or Exceptional Drought (D3 to D4). This past June to July time period was the driest June and July on record for several counties in Southeast Texas. This year's summer was the second warmest summer on record for the City of Houston (2011 remains the warmest), tied for warmest with 2011 for the City of College Station, and was the warmest summer on record for the City of Galveston.



Percentage of State in Drought Conditions



01

02

03