



2014 Yearly Climate Summary for SOUTHEAST TEXAS WFO Houston/ Galveston



What was unique to 2014? There were three winter weather events early in the year. There were no land falling tropical systems along the upper Texas coast. 2014 was a bit cooler and drier than normal. The annual average temperature was 1 to 3 degrees cooler (Figure 1) than the 30 year normal (1981-2010). The summer of 2014 was close to seasonal values and there were no 100 degree days at the four first- order climate sites during the year. Through the end of 2014, the City of Houston had not

Average Yearly Temperature since 1981

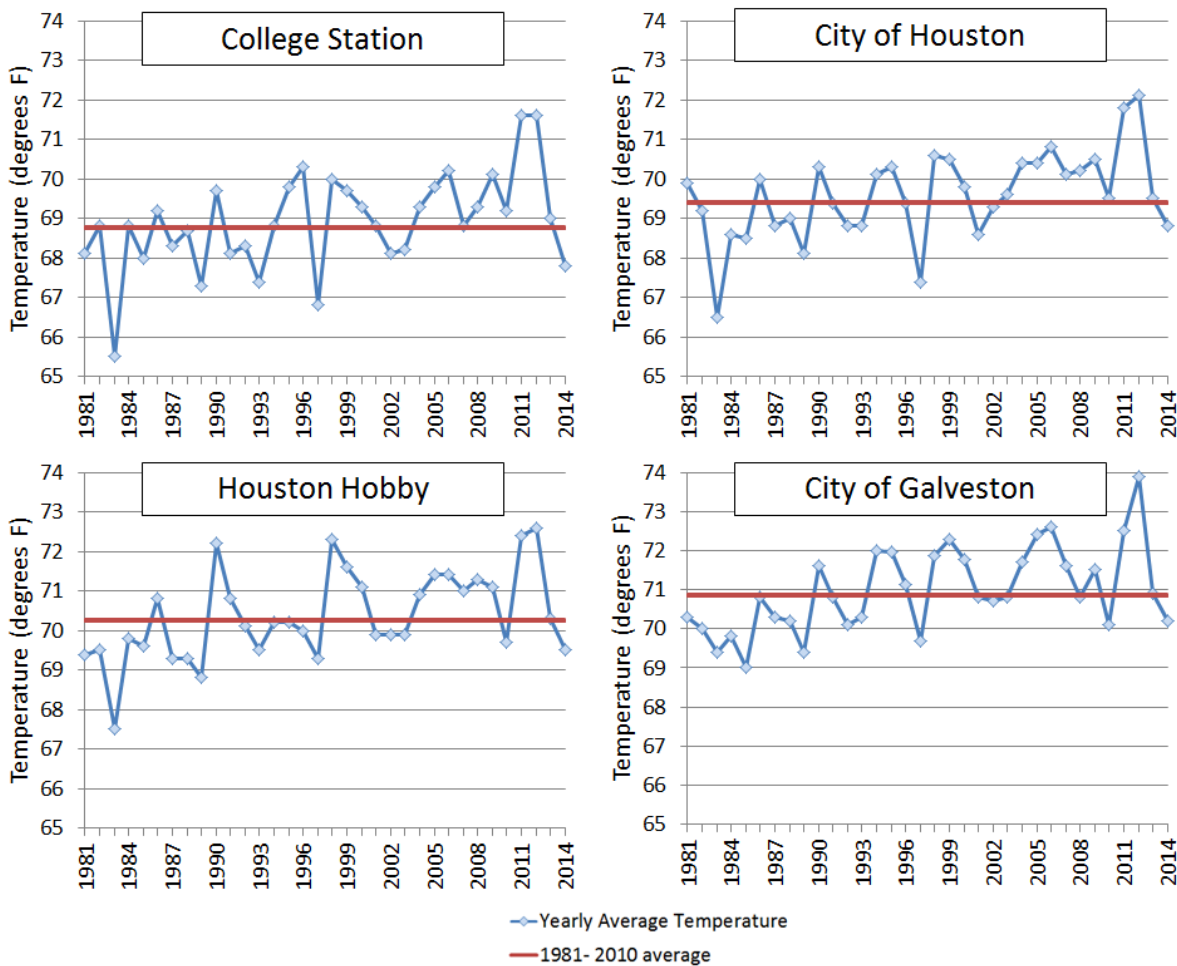


Figure 1: Average yearly temperature since 1981

recorded a day with high temperatures at or exceeding 100 degrees since September 3rd 2013, or 484 days. This is the city's 30th longest stretch of consecutive days without reaching 100 degrees. The longest such streak between 100 degree days is 1,857 days which occurred between July 8th 1971 and August 6th 1976.

In 2014, rainfall totals were near normal north of a line from Brenham to Livingston. Between the Brenham to Livingston line and a line from Wharton to Houston to Liberty, rainfall totals were about 4 to 8 inches below normal. Between the Wharton to Houston to Liberty line and the coast, rainfall totals were 10 to 15 inches below normal. Rainfall has been below normal since 2009 with areas south of I-10 and toward the coast bearing the brunt of the latest short term and long term drought. Here are the annual rainfall totals for the last six years and their respective deficits for our four first- order climate sites (Figure 2).

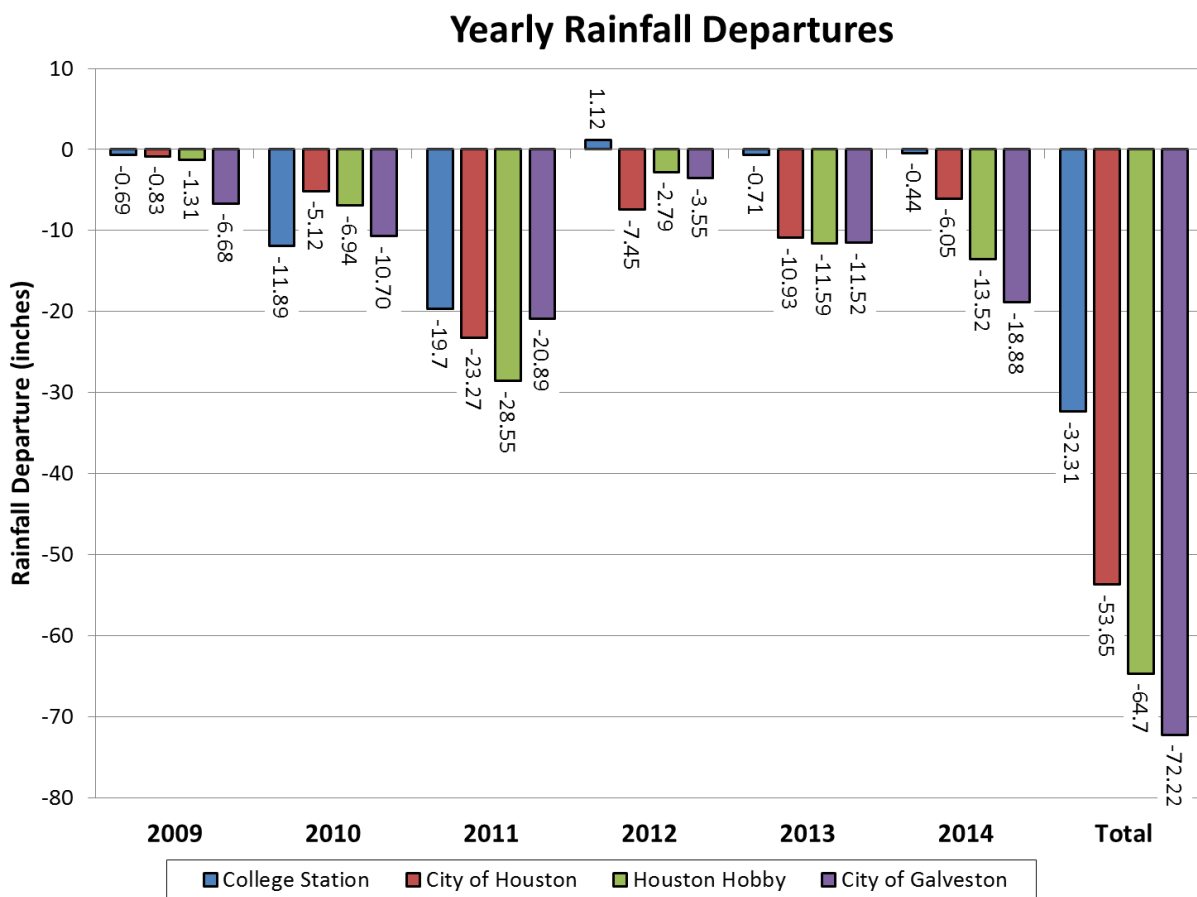


Figure 2: Yearly rainfall departures since 2009

As a wrap up, please find the yearly climate graphs for all the four first- order climate sites below. Houston Intercontinental Airport had its warmest temperature of 99 degrees on July 28th and August 25th, its coldest temperature of 21 degrees on January 7th, and its wettest day of 3.91 inches on July 31st. Houston Hobby had its warmest temperature of 98 degrees on August 11th and August 25th, its coldest temperature of 25 degrees on January 7th, and its wettest day of 3.24 inches on May 26th. College Station had its warmest temperature of 99 degrees on August 16th and August 25th, its coldest temperature of 19 degrees on January 7th, and its wettest day of 4.55 inches on July 17th. Galveston had its warmest temperature of 97 degrees on August 25th, its coldest temperature of 28 degrees on January 7th, and its wettest day of 3.00 inches on August 28th.

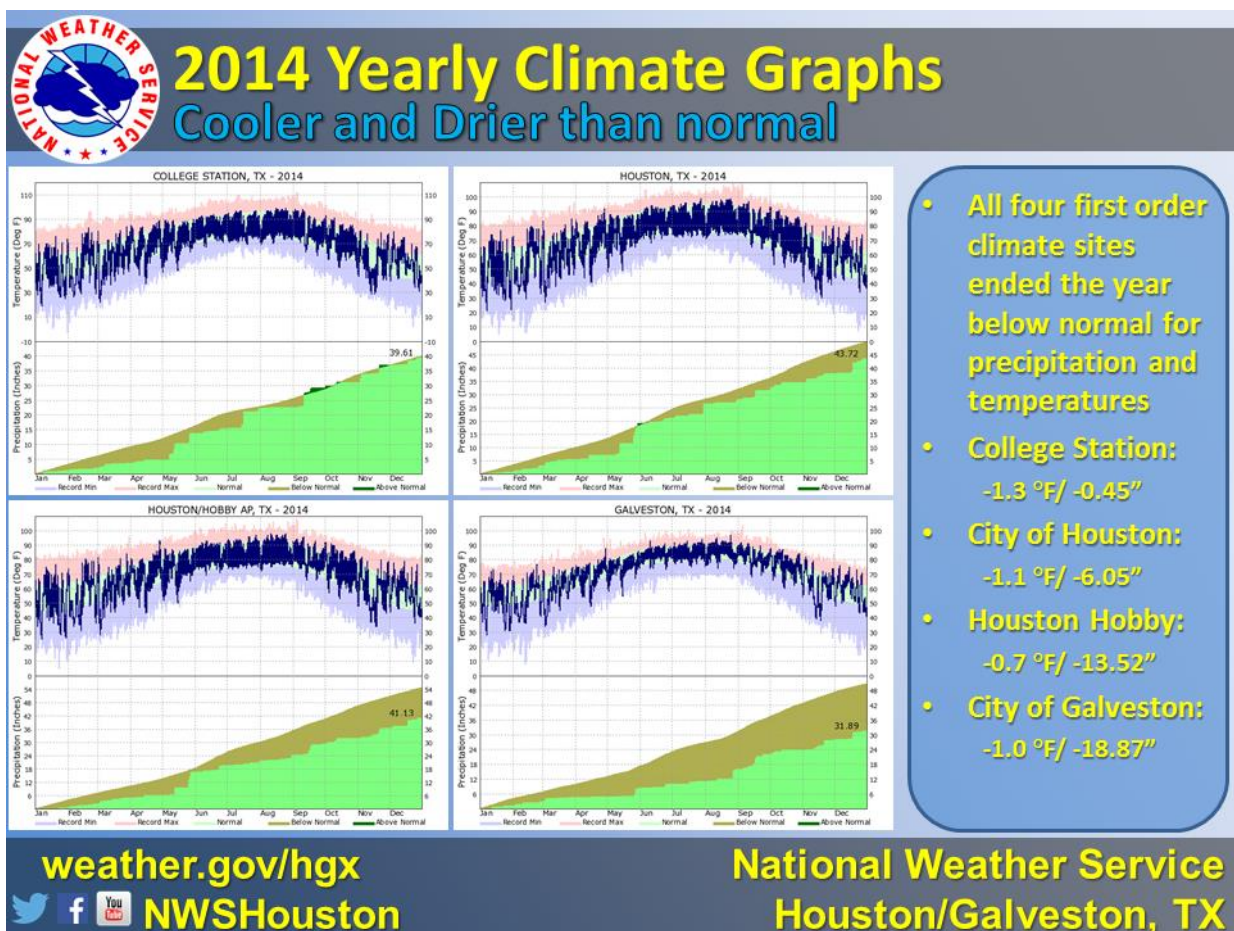


Figure 3: 2014 in review

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