



# November 2014 Climate Summary for SOUTHEAST TEXAS WFO Houston/ Galveston



The first two and a half weeks of November were unseasonably cold with the peak of the cold air occurring between November 12<sup>th</sup> and November 19<sup>th</sup>. The City of Houston recorded seven consecutive days with high temperatures at or below 58°F. The only other time high temperatures were at or below 58°F seven consecutive days during November occurred in 1907. The high temperatures were also 15 to 20 degrees below normal between the 12<sup>th</sup> and the 19<sup>th</sup>.

How cold has it truly been though? Compared to the 1981 – 2010 normals it has been below normal for most of November. The City of College Station (CLL) was below normal for 19/30 days for November or 63.3% of the time (Figure 1). The City of Houston (IAH) was below normal for 21/30 days

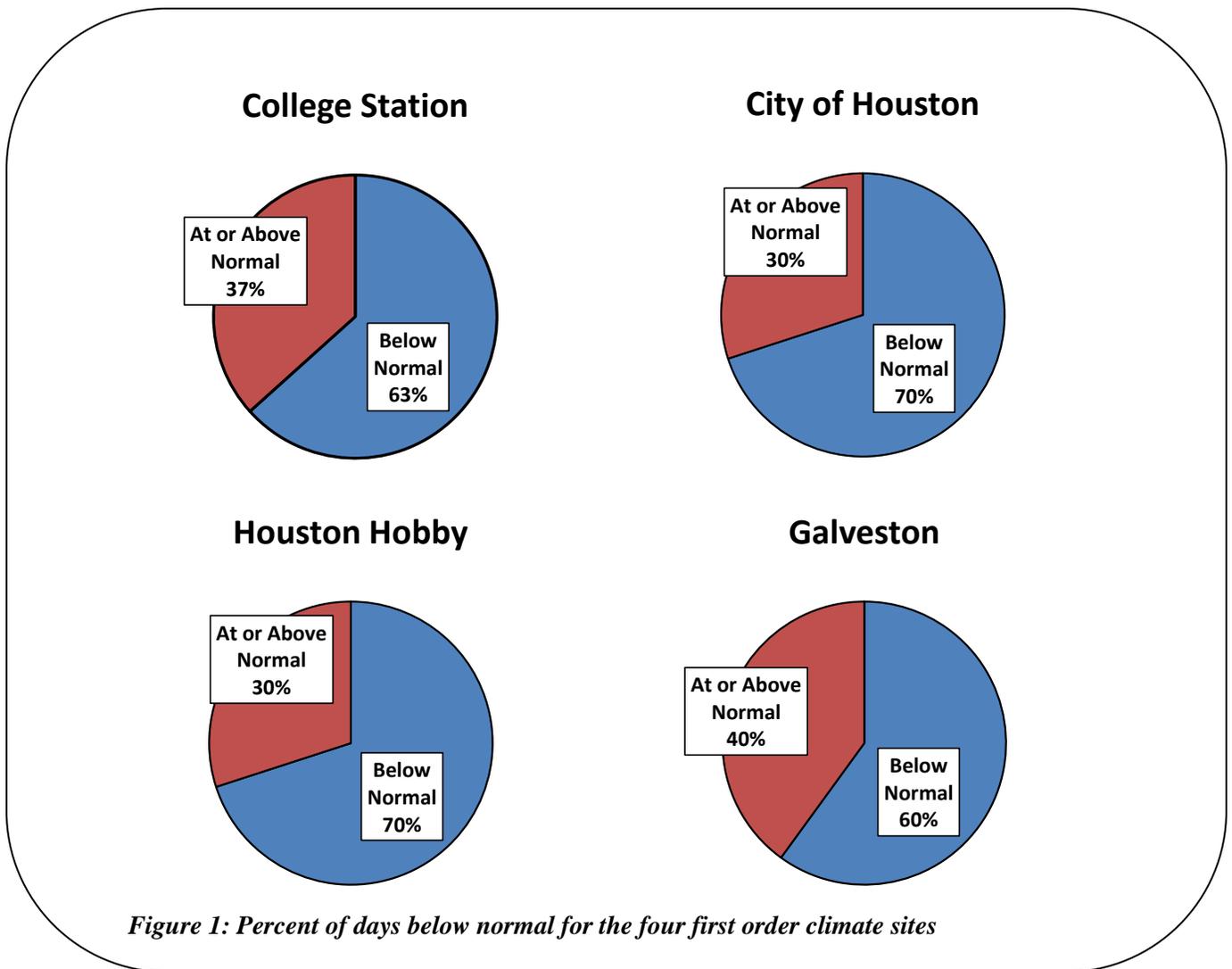


Figure 1: Percent of days below normal for the four first order climate sites

for November or 70% of the time. The City of Galveston was below normal for 18/30 days for November or 60% of the time. These three sites all finished the month with temperatures 3.5 to 5 degrees below the 1981- 2010 mean. So compared to this 30 year period it has been cold, but how about since records have been kept? It turns out that two out of three sites did not make the top ten coldest Novembers in their respective record time frame.

Lets take a look at the City of Houston. The chart below shows the average monthly temperature for November at each day of the month (Figure 2). On the y- axis is temperature while on the x- axis

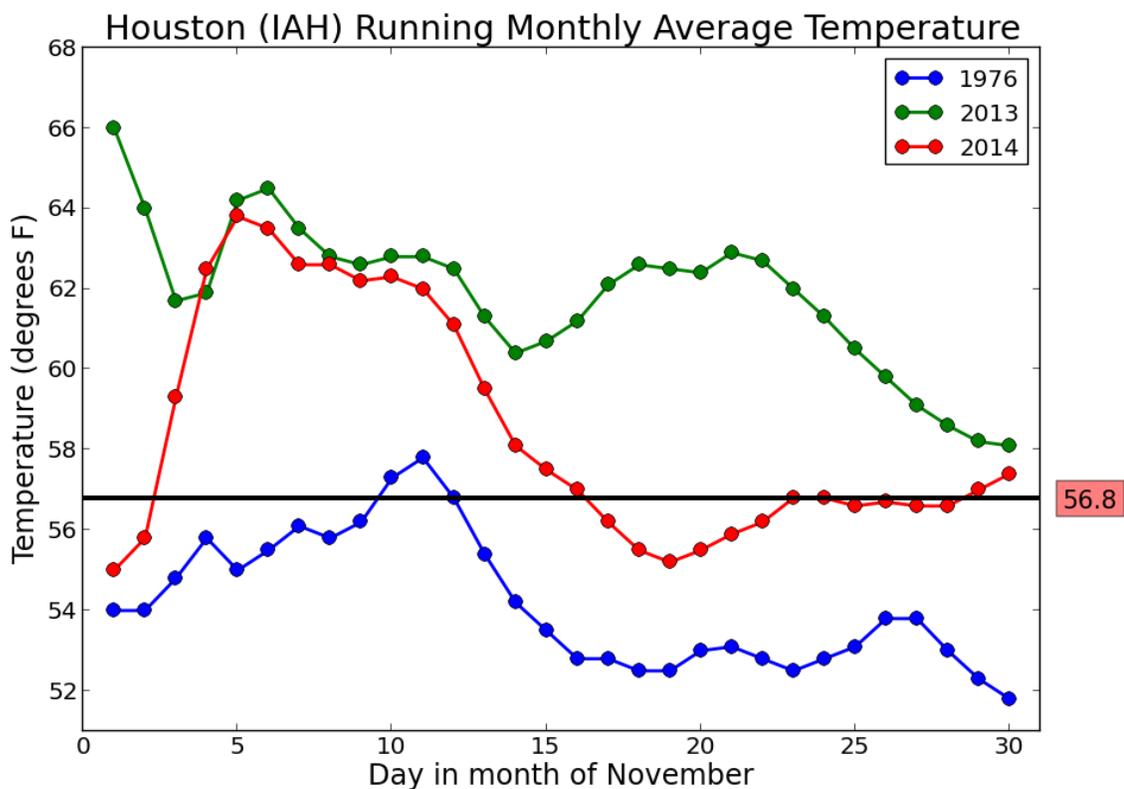
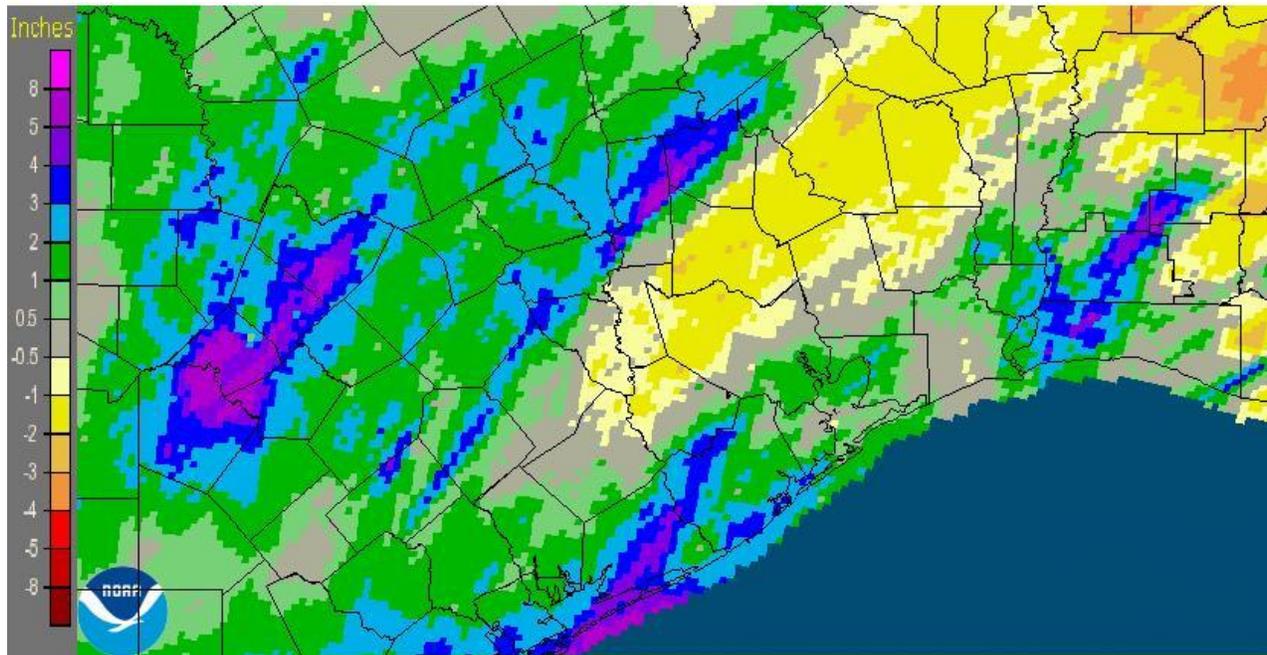


Figure 2: Average month temperature for the City of Houston

the day of the month is displayed. The black line running from left to right is the value of the 10<sup>th</sup> coldest November on record for Houston (56.8°F). The green line was last November while the blue line is for the coldest November on record. From ~ the 12<sup>th</sup> through the 20<sup>th</sup> the average monthly temperature was consistently dropping thanks to some very cold air. After the 20<sup>th</sup> we started the warm up. By the end of the month we had warmed all the way to a final November monthly average of 57.4°F which was above the top ten coldest Novembers on record.

The area also received some much needed rain above normal values observed to the north and south/ southwest while below normal values were observed across the central areas of Southeast Texas (Figure 3).

Houston/Galveston, TX (HGX): November, 2014 Monthly Departure from Normal Precipitation  
Valid at 12/1/2014 1200 UTC- Created 12/3/14 22:04 UTC



*Figure 3: November 2014 observed precipitation* (<http://water.weather.gov/precip/>)

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