

### **...Near normal temperatures and below normal precipitation characterized Richmond weather in July...**

The average temperature at Richmond International Airport was 79.5 degrees, which was 0.2 degrees above normal. The average high temperature was 89.8 degrees or 0.1 degrees above normal. The average low temperature was 69.3 degrees or 0.4 degrees above normal. The highest temperature was 100 degrees on the 8<sup>th</sup>. The lowest temperature was 60 degrees on the 6<sup>th</sup>. There were 14 days with maximum temperatures above 90 degrees, which is 1.9 days below normal.

Precipitation came in at 2.63 inches, which is 1.88 inches below normal. The greatest 24 hour total was 1.99 inches on the 24<sup>th</sup>. There were 8 days with measurable rainfall, which is 3.4 days below normal.

There were 846.5 accumulated growing degree days (GDD), which was 4.5 GDD below the 1981-2010 normal of 851 GDD. The highest was on the 3<sup>rd</sup> and 14<sup>th</sup>, at 31.5 GDD.

For 2014, precipitation has reached 22.06 inches, which is 3.27 inches below normal. The average temperature year-to-date is 57.8 degrees, which is 0.3 degrees below normal.

A record high minimum was set on July 9 of 77 degrees. A record daily maximum rainfall amount was set on July 24 of 1.99 inches.

### **...Slightly below normal temperatures and above normal precipitation characterized Norfolk weather in July...**

The average temperature at Norfolk International Airport was 78.6 degrees, which was 1.0 degree below normal. The average high temperature was 86.1 degrees or 1.3 degrees below normal. The average low temperature was 71.2 degrees or 0.7 degrees below normal. The highest temperature was 97 degrees on the 2<sup>nd</sup>. The lowest temperature was 62 degrees on the 6<sup>th</sup>. There were 10 days with maximum temperatures above 90 degrees, which is 0.9 days below normal.

Precipitation came in at 7.87 inches, which was 2.73 inches above normal. The greatest 24 hour total was 3.58 inches from the 9<sup>th</sup> into the 10<sup>th</sup>. There were 8 days with measurable rainfall, which is 3.1 days below normal. July finished as the 28<sup>th</sup> wettest July on record. This follows up the 20<sup>th</sup> driest June on record.

There were 847 accumulated growing degree days (GDD), which was 50 GDD below the 1981-2010 normal of 897 GDD. The highest was on the 3<sup>rd</sup>, at 32 GDD.

For 2014, precipitation has reached 29.4 inches, which is 2.98 inches above normal. The average temperature year-to-date is 58.4 degrees, which is 0.5 degrees below normal.

A record high minimum temperature was tied on July 9 of 78 degrees.

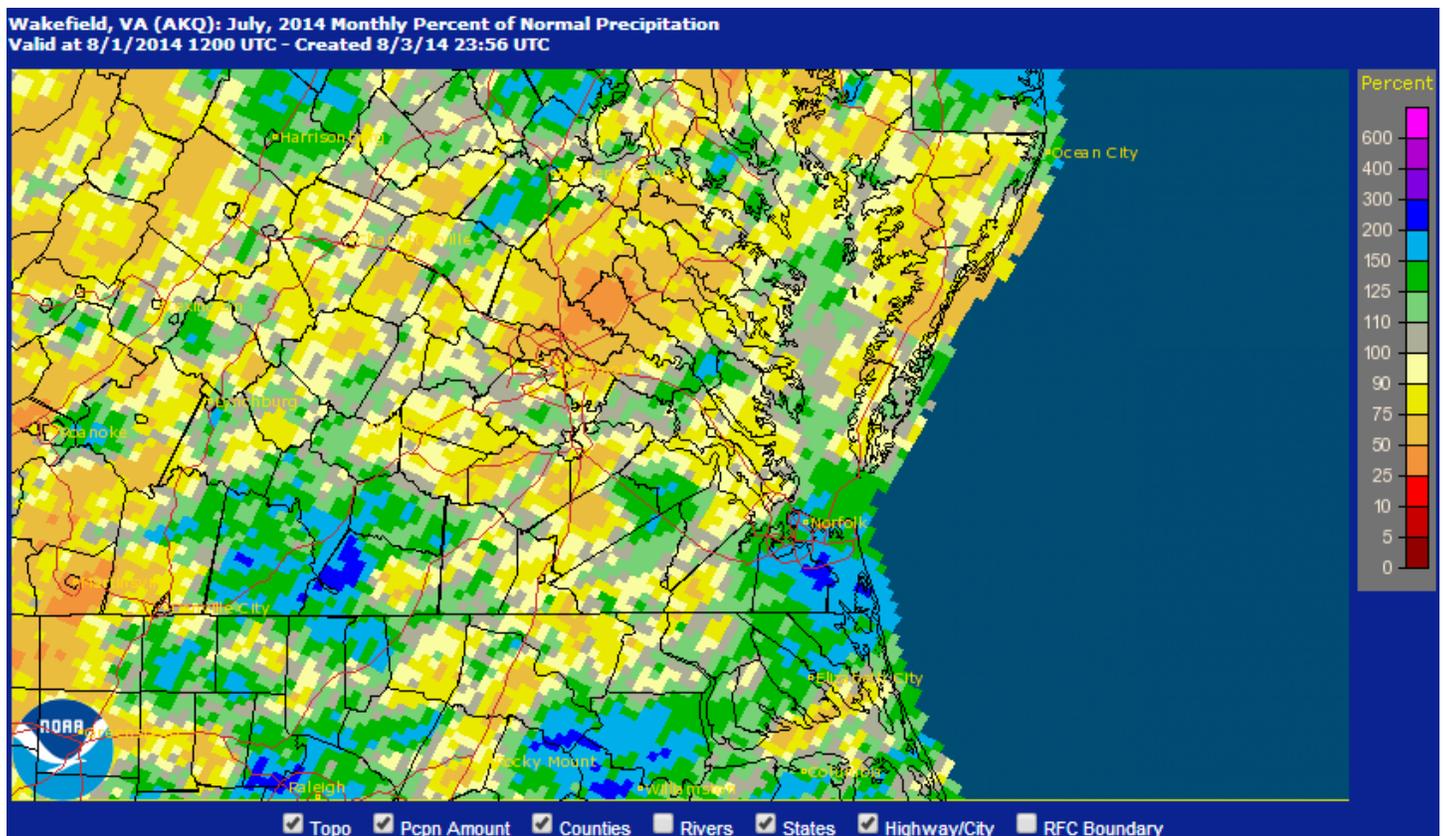
### ...Highly variable rainfall amounts characterized the Wakefield Forecast Area in July...

Rainfall varied widely across the Wakefield County Warning Area in July with very dry conditions in the Richmond metro area with 1 to 3 inches and more than twice the normal rainfall in portions of Hampton Roads. Most locations had below normal to near normal rainfall, ranging from 3 to 5 inches. The official rainfall at Richmond was 2.63 inches.

The greatest amount of July rainfall fell in a band from Suffolk to Portsmouth and portions of Norfolk. These locations had from 8 to 11 inches with the highest total at a COCORAHS station in Portsmouth at 11.38 inches. Norfolk International Airport received 7.87 inches.

The day that had the largest impact with this high amount of rainfall was the 24<sup>th</sup>. It was on that morning that a tornado that received national attention struck a campground on the Virginia Lower Eastern Shore. It was in the late afternoon and evening that a mini drought broke in metro Richmond (less than an inch of rain at Richmond Int'l Airport during the preceding 40 days), severe thunderstorms moved from the Piedmont to far southern Virginia with hail, damaging winds, flooding and reports of a funnel cloud. It was that evening that the Wakefield ASOS measured 2.45 inches of rain in 22 minutes. Three to over four inches of rain fell in portions of Southside Hampton Roads during the late afternoon and evening hours.

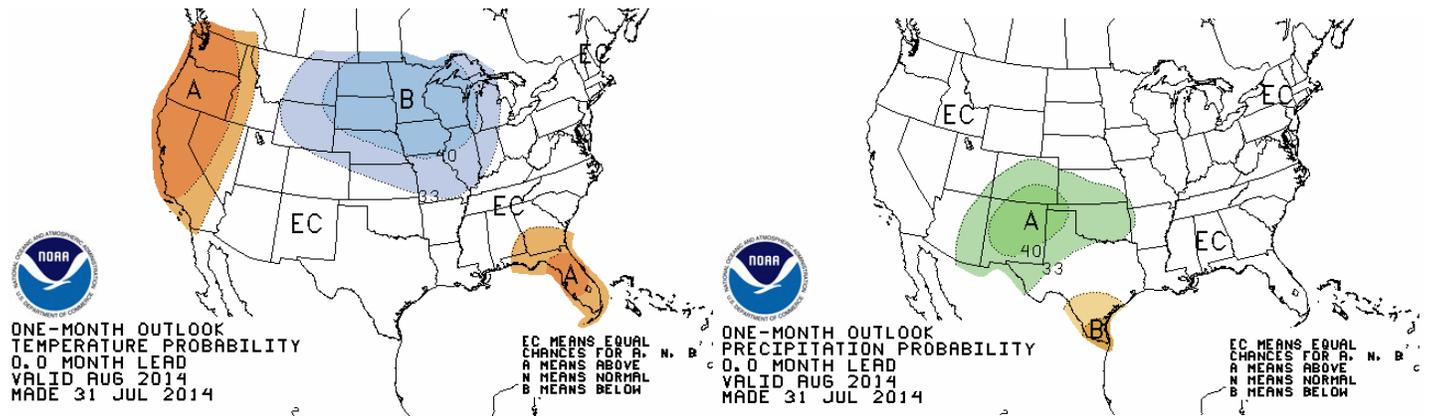
Additional Information: [http://www.weather.gov/akq/MONTHLY\\_RAINFALL\\_ANALYSIS](http://www.weather.gov/akq/MONTHLY_RAINFALL_ANALYSIS)



July 2014 Percent of Normal Rainfall. Additional data can be found at: <http://water.weather.gov>

Outlooks (see <http://www.cpc.ncep.noaa.gov/>)...

The **30 day outlooks** for temperature (left image) and precipitation (right image) predict equal chances for above, below, or near normal precipitation and temperature.



The **90 day outlooks** for temperature (left image) and precipitation (right image) predicts increased chances for above normal temperatures with equal chances for below normal, near normal, or above normal precipitation.

