PAGE \#1 Sep 2021 West Henrico Co. - Glen Allen Weather Center $37.65537^{\circ}$ N. $77.56929^{\circ}$ W. - Koontz



PAGE \#3
West Henrico Co. - Glen Allen Weather Center $37.65537^{\circ} \mathrm{N} .77 .56929^{\circ}$ W. - Koontz

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The daily records for the month are listed on page \# 4 and not found in the remarks.

The minimum temperature on the 3rd was 54.7\° F, a new 13-year LOW daily minimum temperature record for the date - the old record was $56 \&$ deg; F in 2009 .

The maximum temperature on the 15th was 89.9\°F, a new 13-year daily HIGH maximum temperature record for the date - the old record was 89\°F in 2010 . The minimum temperature on the 16th was 70.8\°F, a new 13-year warm daily minimum temperature record for the date - the old record was $69.4 \&$ deg; F in 2018. The daily precipitation on the 16th was 1.08 inches, a new 13 year HIGH daily precipitation record for the date - the old record was 0.22 inches in 2018.

The minimum temperature on the 22nd was 71.4\°F, a new 13-year warm daily minimum temperature record for the date - the old record was 69\°F in 2011. The daily precipitation on the 22nd was 0.71 inches, a new 13 year HIGH daily precipitation record for the date - the old record was 0.14 inches in 2016.

The minimum temperature on the 26th was 51\°F, a new 13-year LOW daily minimum temperature record for the date - the old record was $56 \& \mathrm{deg}$;F in 2013. The daily temperature range on the 27th was $30.3 \&$ deg;F, a new 13-year HIGH daily temperature range record for the date - the old record was $30 \&$ deg; F in 2014 .

The minimum temperature on the 30th was 50\°F, a new 13-year LOW daily minimum temperature record for the date - the old record was $51 \& \mathrm{deg}$;F in 2013 . The daily temperature range on the 30th was $28.8 \&$ deg;F, a new 13-year HIGH daily temperature range record for the date - the old record was $26 \&{ }^{26}$ deg;F in 2013.

## September 2021 <br> Springfield Park Glen Allen, VA

September with 3.55 inches of precipitation was the $7^{\text {th }}$ wettest September on record in the past 13 years. The wettest September recorded 8.54 inches in 2018 and the driest Sep. had 0.17 inches in 2019. The greatest 24 -hour rain was 1.40 inches on the $22^{\text {nd }} \& 23^{\text {rd }}$. Sept. had only 8 days with measurable precip; the average is 10 days.

The monthly mean temperature was 71.9 degrees $F$ a 0 degrees $F$ departure and the $7^{\text {th }}$ warmest on record. The ave. maximum temp. was 82.7 degrees $F$ a 1.0 degrees $F$ departure. The ave. minimum was 61.2 degrees $F$ which was a -1.3 degrees $F$ departure. The lowest max. temp. for the Sep. was 75 degrees $F$ on the $9^{\text {th }}$ and was the highest temp. ever recorded at this station for the lowest maximum temp. in the month of Sep. The highest maximum was 92.3 degrees $F$ on the $13^{\text {th }}$ which was -1.4 degrees $F$ below the 13year average Sep. maximum temp. September's sky was the $3^{\text {rd }}$ clearest on record in the past 13 years. The average temp. range was 21.6 degrees $F$ which was a departure of +2.3 degrees $F$ and the $2^{\text {nd }}$ highest on record for September. This September had only 3 days with temps. greater than or equal to 90 degrees $F$; in 2019 it was 11 days.
The highest wind gust was 34 mph on the $22^{\text {nd }}$ which is a new record for September for the past 13 years. There were 6 days with thunder which is the $2^{\text {nd }}$ highest on record but none of the thunderstorms were severe.

## Richmond International Airport

The Richmond International Airport had 5.79 inches of precipitation which was a departure of 1.18 inches and tied for $27^{\text {th }}$ wettest since 1887. In 2019 the Airport had only 0.42 inches of precipitation for the month, one of the driest on record.
The Airport had only 8 days with measurable precipitation. The Airport's max. daily precip. was 1.65 inches on the $16^{\text {th }}$.

The ave. mean temperature was 72.6 degrees $F$ a departure of 1.4 degrees $F$ and the $26^{\text {th }}$ warmest since 1897. The lowest mean temp. for the month was 65.5 on the $24^{\text {th }}$ and the $25^{\text {th }}$ and only 3 Septembers since 1897 have been higher 1921,2016 , and 2002. The ave. maximum temp. was $83.1^{\circ} \mathrm{F}$, a 1.9 degrees $F$ departure, and the ave. minimum temp. was 62.2 degrees $F$ which was a 1.1 degrees F departure. Sept. 2019 had 12 days with temperatures of greater than or equal to 90 degrees $F$ and this year it was only 2 days. The ave. temperature range was 20.9 degrees $F$ a departure of 0.3 degrees $F$. The Airport's highest temperature range for Sept. was only 30 degrees $F$ on the $27^{\text {th }}$. The highest max. temperature was 92 degrees $F$ on the $13^{\text {th }}$. The lowest max. temp. for Sept. was 75 degrees $F$ on the $9^{\text {th }}$ and only 2 Septembers have had a higher reading in 1968 and 1954. The record was 78 degrees $F$ in 1968. The lowest minimum temperature was 51 degrees $F$ on the $27^{\text {th }}$ and the highest minimum was 71 degrees $F$ on the $16^{\text {th }}, 17^{\text {th }}$, and 22 nd.

The Airport averages are for a 30-year period and smoothed out in a decreasing straight line on the graph. Springfield Park is just the average of the 13 past years and is not smooth, a difference you see in the two graphs. The Richmond Airport had no daily records for September.

## ACON - VA/NC/SC

The Atlantic Coast Observer Network: Virginia, North Carolina, South Carolina

## September 2021

## Station summary of Climatological Data

Observer: Lowell L. Koontz

Observation Times: Temps Recorded 2400 Precipitation Recorded 2400

TEMPERATURE ${ }^{\circ} \mathrm{F}$

| A | MEAN MAXIMUM | 82.73 |
| :---: | :---: | :---: |
| B | MEAN MINIMUM | 61.15 |
| C | MEAN MONTHLY | 71.94 |
| C1 | MEAN TEMP DEP. | -0.04 |
| D | MAXIMUM | 92.3 |
| E | DATE(s) OF MAX. | Sep-13 |
| F | MINIMUM | 48.8 |
| G | DATE(s) OF MIN. | Sep-25 |
| H | \# DAYS MAX. > = 90 ${ }^{\circ}$ | 3 |
| 1 | \# MAX. < = 32 ${ }^{\circ}$ | 0 |
| J | MIN. < = 32 ${ }^{\circ}$ | 0 |
| K | MIN. $<=0^{\circ}$ | 0 |
| K1 | AVE RELATIVE HUMIDITY | 75.5 |
| WIND MPH |  |  |
| L | MAX. GUST | 34 |
| M | DIRECT. OF GUST | SOUTH |
| N | DATE | Sep-22 |
|  | TIME | 15:53 |

NUMBER DAYS WITH -

|  | THUNDER | 6 |
| :--- | :--- | :--- |
| P | HAIL | 0 |
| Q | GLAZE | 0 |
| R | ICE PELLETS (SLEET) | 0 |
|  | DENSE FOG < = 1/4 MILE | 0 |

DENSE FOG < = 1/4 MILE

West Henrico - Glen Allen, VA

PRECIPITATION INCHES

| T | MONTH TOTAL | 3.55 |
| :---: | :---: | :---: |
| $u$ | CALENDAR DAY MAX. | 1.08 |
| U1 | DATE OF MAX. | Sep-16 |
| v | 24-HR. PERIOD MAX. | 1.40 |
| V1 | DATE(s) OF MAX. PD. | $22^{\text {nd }} \& 23^{\text {rd }}$ |
| w | \# DAYS > = 0.01" | 8 |
| X | \# DAYS > = 1.00" | 1 |
| Y | YR. TO DATE TOT. | 38.51 |
|  | MAX. 1 HR. PRECIP. | 0.99 |
|  | MAX. 5 MIN PRECIP. | 0.28 |
| SNOWFALL INCHES |  |  |
| z | DAILY MAXIMUM | 0.0 |
| 1 | DATE OF MAX. |  |
| 2 | DAYS $=>$ TRACE | 0.0 |
| 3 | DAYS > = 1.0" | 0.0 |
| 4 | MONTHLY TOTAL | 0.0 |
| 5 | 2020-2021 SEASON'S TOT. | 11.7 |

## BAROMETER

| 6 | MAXIMUM | 30.29 |
| :---: | :--- | :---: |
| 6A | DATE | Sep-20 |
| 7 | MINIMUM | 29.52 |
| 7 FA | DATE | Sep-01 |
| 8 | AVE. MONTHLY PRESSURE | 30.03 |
| CWA | NWS COUNTY WARNING AREA | Henrico |

SPRINGFIELD PARK'S SEPTEMBER TEMPERATURE \& WIND GRAPH


SEPTEMBER TEMPERATURE GRAPH



