

Aug
2020

REMARKS FOR THE MONTH

August - 2020

Aug-01	TS RATED 1-1-1- TROPICAL STORM TO HIT FL TOMORROW AND MOVE UP COAST-1ST THUNDER HEARD AT 2010
Aug-02	1ST TS RATED 2-3-2 TODAY IS 31ST CONSECUTIVE DAY WITH TEMPS. EQUAL TO OR GREATER THAN 90 °F - 2ND TS RATED 4-3-2 WITH WINDS OF 28 MPH & 3 STRIKES VERY CLOSE
Aug-03	3RD PD. OF PRECIP. 1920-2400 GAVE 0.99 INS. BY MIDNIGHT-TROPICAL STORM ISAIAS IS OFF SC COAST TONIGHT & WILL HIT VA TOMORROW
Aug-04	AFTER RAIN STOPPED THE SUN WAS OUT BY 0920-NO LOCAL DAMAGE FROM ISAIAS BUT SEVERE DAMAGE IN NORTHERN NECK OF VA
Aug-05	CLOUDS CLEARED AT 0830 AND MOSTLY CLEAR TO 1330-PC TO 1545 THEN CLOUDY-AM EST. 25-30% CLO. PM EST. 60-65% CLOUDY
Aug-06	TS. RATED 1-1-3-AM CLOUDY TO 0730 THEN CLEAR TO 1100 THEN PC AND BECOMING CLOUDY AGAIN TO 1545 TO DARK
Aug-07	FOG WITH DRIZZLE
Aug-08	CLOUDY AM THAT CLEARED BEFORE 0800-PC PM FOLLOWED BY CLEAR THE REST OF DAY AFTER 1600
Aug-09	FOG HEAVIEST AT 0645-FOG CLEARED AT 0815-CLOUDS CAME IN AT 1115-PM EST. 60-65% CLO.-TS RATED 2-2-1 STORM WAS TO OUR EAST FROM 1600-1620 WE WERE ON W EDGE
Aug-10	TS. 2-3-2-CUMULUS CLOUDS CAME IN AT 1115
Aug-11	3RD DAY OF HEAVY DEWS AND A VERY CLEAR AM-CUMULUS CLOUDS CAME IN AT 1230
Aug-12	AM WAS ABT. 50-60% CLO. AND AFTER 1100 IT STAYED CLOUDY- 1ST TS RATED 2-1-1 & 1ST THUNDER HEARD AT 1206 WITH ONLY 0.03 RAIN- 2ND TS RATED 1-1-1 a LONG PD. OF
Aug-13	COOLER DAY BUT MORE RAIN-TOMATOES ARE SPLITTING - ALSO FLOODING IN SOME LOCAL AREAS
Aug-14	NO THUNDER TODAY BUT 3RD PD. OF PRECIP. 1430-1510, 4TH PD. 1715-1840-EXTREMELY WET PD. - 5TH PD. OF PRECIP. 2315-2400
Aug-15	ALL DAY RAIN AND AUG. IS NOW WETTEST ON OUR RECORDS-CHESTERFIELD CO. HAD REPORTS OF OVER 11 INS. OF RAIN
Aug-16	FINALLY A COOL DAY AND NOT SO WET- BUT DRIZZLE FROM 1000-1055 THAT ONLY ADDED 0.01 INCHES
Aug-17	TS RATED 1-1-2-COOLEST AM SINCE JUNE 26, 2020 WHEN IT WAS 62.4 °F -A SMALL 30 DEGREE ARC RAINBOW SEEN AT 1945-HEAVIEST FOG AT 0730 CLEARED BY 0910 THEN
Aug-18	A VERY CLEAR AM AND A FEW CUMULUS CLOUDS CAME IN AT 1230 BUT STILL CLEAR UNTIL 1515-INSTALLED NEW TEMP., SOLAR SENSOR AND RH SENSOR TODAY
Aug-19	AM SPRINKLE WAS FROM A FADING SHOWER THAT PASSED TO OUR NW & A PM TS PASSED TO SOUTH BUT GAVE NO RAIN HERE
Aug-20	CIRRUS UNTIL 1030 THE CUMULUS AND CIRRUS TOGETHER BUT MAINLY CUMULUS AFTER 1330 THAT DECREASED AND BECAME VERY CLEAR AFTER 1600
Aug-21	BOTH WARMER AND MORE HUMID AND MOSTLY CLOUDY WITH A PM SHOWER BUT NO THUNDER
Aug-22	AFTER A VERY EARLY AM RAIN A MOSTLY CLO. DAY WITH HIGH HUMIDITY AND MAX. DEW POINT OF 75 °F AT 1414
Aug-23	HOTTER BUT LESS HUMID WITH A CLEAR AM SKY AND A BREEZY PM-2 TROPICAL STORMS HEADED TOWARD GULF OF MEXICO
Aug-24	MARCO AND LAURA ARE IN GULF OF MEXICO (STRANGE OCCURRENCE)-CLOUDY ALL DAY WITH CIRRUS AND ALTOCUMULUS AND A SOMEWHAT BREEZY DAY
Aug-25	VERY CLEAR DAY BUT HUMID-MAX. DEW POINT WAS 77.4 °F AT 1258 AND A BREEZY PM
Aug-26	A COOLER DAY WITH LOWER HUMIDITY AND A CLEAR BLUE SKY-LAURA CAME ASHORE NEAR CAMERON, LA
Aug-27	VERY HOT AND HUMID - MAX. DEW POINT WAS 79 °F AT 1455-CLOUDS CAME IN AT 1430 AND SOON BECAME CLOUDY FOR REST OF DAY
Aug-28	VERY HOT AND HUMID - MAX. DEW POINT WAS 79 °F
Aug-29	CLOUDY THIS AM BUT REMNANTS OF LAURA BROUGHT ONLY 0.02 INCHES OF RAIN AND SKY CLEARED BY 1630 BUT THE DAY WAS VERY HUMID
Aug-30	COLD FRONT PASSED DURING NIGHT LOWERING DEW POINT AND GIVING A CLEAR SKY AND MORE PLEASANT TEMPS. THAN MONTH HAS PROVIDED
Aug-31	3PD RAIN 2325-2400 CLOUDY & COOL AM WITH A THREAT OF RAIN BUT THE RAIN STATED JUST AFTER 1200 & GAVE A RAINY PM AND NEARLY THE COOLEST DAY OF AUGUST

DATE

EXTENSION OF LENGTHY DAILY REMARKS

Aug-02	THE FIRST STRIKE AT 2105 HIT A HOUSE ABOUT 600 YDS FROM US & 2ND STRIKE AT 2109 TO THE NORTH & 3RD STRIKE AT 2110 TO EAST. THE LAST 2 STRIKES WERE THOUGHT TO BE WITHIN 1000 FEET. DAMAGE DONE BY 1ST STRIKE AT 2105 - THE ELECTROMAGNETIC PULSE BURNED OUT A CORDLESS PHONE, THREW 1 CIRCUIT BREAKER, TOOK OUT THE INTERNET TEMPORARILY AND BURNED OUT SOLAR SENSOR, 2 TRANSMITTERS, ONE LEAF WETNESS SENSOR OF MY WEATHER STATION.
Aug-12	THUNDER AS THE TS CELL PASSED FROM OUR WEST TO OUR SOUTH & THEN TO EAST AROUND US. 2ND STORM WAS WEAK-VERY HUMID DAY WITH 3RD PD. OF PRECIP. FROM 2108-2130
Aug-17	CUMULUS CLOUDS CAME IN AT 1115
	ALL DEW POINTS THIS MONTH AND THE SUMMER ARE REDUCED BY 2 DEGREES F AS THE DAVIS INSTRUMENT OVERRATES DEW POINTS.
Aug 2 & 12	THERE WERE TWO TS ON BOTH AUGUST 2ND AND 12TH THAT ARE HIGHLIGHTED IN RED.
Aug 15-16	THE 24 HOUR MAX. RAINFALL WAS ESTIMATED FOR AUGUST AT 3.27 INCHES FROM 5 PM OF THE 15TH TO 5 AM OF THE 16TH

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

The link below explains how observations are taken at the Glen Allen Weather Station - Note the Numbers match the column numbers on the Observation Sheet

[Rules for making Observations in 2020](#)

DAILY RECORDS FOR THE MONTH

The Springfield Park Station had 24 Records or Record Ties in August 2020

41	
Aug 2020	
1	The minimum temperature on the 1st was 74.4°F, a new 12-year warm daily minimum temperature record for the date - the old record was 73.6°F in 2018.
2	The maximum temperature on the 2nd was 95.2°F, a new 12-year daily HIGH maximum temperature record for the date - the old record was 95°F in 2008.
3	The daily precipitation on the 3rd was 0.99 inches, a new 12-year HIGH daily precipitation record for the date - the old record was 0.20 inches in 2017.
	The daily precipitation on the 4th was 2.53 inches, a new 12-year HIGH daily precipitation record for the date - the old record was 1.40 inches in 2019.
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13	The daily temperature range on the 13th was 11.4°F, a new 12-year LOW daily temperature range record for the date - the old record was 13°F in 2013 and 2011.
	The daily precipitation on the 13th was 0.84 inches, a new 12-year HIGH daily precipitation record for the date - the old record was 0.75 inches in 2019.
14	The daily temperature range on the 14th was 12°F, a new 12-year LOW daily temperature range record for the date - the old record was 17°F in 2013.
15	The daily temperature range on the 15th was 7.5°F, a new 12-year LOW daily temperature range record for the date - the old record was 10°F in 2010.
	The maximum temperature on the 15th was 75°F, a new 12-year cool daily maximum temperature record for the date - the old record was 78°F in 2013.
	The daily precipitation on the 15th was 2.20 inches, a new 12-year HIGH daily precipitation record for the date - the old record was 1.05 inches in 2019.
16	The daily precipitation on the 16th was 0.60 inches, a new 12-year HIGH daily precipitation record for the date - the old record was 0.01 inches in 2016.
	The daily temperature range on the 16th was 11.6°F, a new 12-year LOW daily temperature range record for the date - the old record was 14.8°F in 2019.
17	
18	The minimum temperature on the 18th was 64.8°F, a new 12-year LOW daily minimum temperature record for the date - the old record was 65°F in 2013.
19	
20	The minimum temperature on the 20th was 64.5°F, a new 12-year LOW daily minimum temperature record for the date - the old record was 65°F in 2012.
21	
22	The maximum temperature on the 22nd was 82.4°F, a new 12-year cool daily maximum temperature record for the date - the old record was 84°F in 2014.
	The daily temperature range on the 22nd was 12.2°F, a new 12-year LOW daily temperature range record for the date - the old record was 14°F in 2014.
23	The maximum temperature on the 23rd was 90.3°F, a new 12-year daily HIGH maximum temperature record for the date - the old record was 88.1°F in 2015.
	The minimum temperature on the 23rd was 70.7°F, a new 12-year warm daily minimum temperature record for the date - the old record was 69°F in 2010.
24	The minimum temperature on the 24th was 73.4°F, a new 12-year warm daily minimum temperature record for the date - the old record was 69°F in 2015.
25	The minimum temperature on the 25th was 70.8°F, a new 12-year warm daily minimum temperature record for the date - the old record was 70°F in 2008.
26	
27	The maximum temperature on the 27th was 93.8°F, a new 12-year daily HIGH maximum temperature record for the date - the old record was 93.4°F in 2018.
28	The minimum temperature on the 28th was 73.4°F, a new 12-year warm daily minimum temperature record for the date - the old record was 73°F in 2012.
29	
30	
31	The daily temperature range on the 31st was 10.8°F, a new 12-year LOW daily temperature range record for the date - the old record was 11°F in 2009.
	The daily precipitation on the 31st was 0.44 inches, a new 12-year HIGH daily precipitation record for the date - the old record was 0.29 inches in 2008.

August 2020 Springfield Park

August had the greatest number of days with measurable precipitation more than any month in the past 12 years and the wettest August and the second wettest of all months. August was also the most humid on record and the second cloudiest on record.

The 10.96 inches of rain for August was a +6.54-inch departure based on a 12-year average. August had 3.27 inches on the 15th and 16th which was the 2nd most rainfall in a 24-hour period. The month had 21 precipitation days, not only the most on record for August, but the most for all months.

The monthly mean temperature for August was 78.9°F which was only +1.2°F departure based on a 12-year average. The maximum temperature for August was 95.2°F on the 2nd and the warmest night was 75.7°F on the 29th. August had 12 days of equal to or greater than 90°F. The lowest August minimum was only 62.8°F on the 17th and there were 20 nights the temperature was equal to or greater than 70°F. The average temperature range for August was only 17.4°F which was a new record for August. The 72.3 average dew point temperature for Aug. was a new record. August, with 21 days of rain, contributed to the highest average relative humidity record for August.

The max. wind gust was only 29 mph on the 4th from the remains of Isaias.

Summer 2020 Springfield Park, Henrico County, Glen Allen, Virginia									
2020 Summer Season Table	12Yr. Ave. Mean Temp.	Mean Temp. °F	Temp. Dep. °F	12Yr. Ave. Prec. Ave.	Total Prec. inches	Precip. Dep. inches	12Yr. Ave. Rel. Hum.	Rel. Hum. %	Rel. Dep. %
June	76.09	75.69	-0.40	4.93	4.79	-0.14	71.5	74.6	3.1
July	80.02	83.22	3.19	4.24	5.79	1.55	70.4	71.9	1.5
Aug.	77.72	78.93	1.20	4.42	10.96	6.54	73.0	78.5	5.5
SUM AVE.	233.83	237.8	4.00	13.58	21.54	7.96	215.0	225.0	10.0
	77.94	79.28	1.33	4.53	7.18	2.65	71.7	75.0	3.3

Springfield Park's 21.54 inches of precip. for the summer made 2020 the wettest summer on record.

The summer had 43 days with measurable precipitation; only 1 year had more in the past 12 years.

The summer of 2020 was also had the highest average relative humidity in the past 12 years.

Richmond International Airport

The Richmond International Airport's average mean temperature was 79.2°F a departure of +1.7°F and the 14th hottest since 1897. The average maximum was 87.6°F, a 0°F departure, and the average minimum was 70.9°F which was a 3.5°F departure. Only 2 Augusts had a higher average minimum temperature since 1897. This August had 10 days with temperatures of equal to or greater than 90°F and 22 nights the low temperature was equal to or greater than 70°F; the average is 11 for the 123-year period. The average temperature range for August was only 16.7°F because of the high humidity, rain and clouds; only 6 years have had a lower range for August since 1897. The highest daily temperature range for the month was 23°F on the 27th and only 2 Augusts have had lower since 1897. The minimum range was 8°F on the 15th. The highest monthly temperature was 96°F on the 2nd. The lowest monthly maximum temperature was 76°F on the 15th. The lowest minimum temperature for August was 64°F on the 17th and only 2 Augusts were warmer in the past 123 years, 1898 and 1900.

The Airport had 15.34 inches of precipitation, a departure of +10.68 inches which made August the 2nd wettest since 1872 or 148 years. Only Aug. of 2004 has had more precipitation with 16.30 inches.

2020 Richmond International Airport						
Summer Season	30Yr. Ave. Mean Temp.	2020 Mean Temp.	2020 Temp. Depart. °F	30Yr. Ave. Precip. Average	2020 Total Precip	2020 Precip. Depart.
June	75.3	75.30	0.0	3.93	5.25	1.32
July	79.3	82.90	3.6	4.51	2.80	-1.71
Aug.	77.5	79.24	1.7	4.66	15.34	10.68
SUM AVE.	232.10	237.4	5.34	13.10	23.39	10.29
	77.4	79.1	1.78	4.37	7.80	3.43

The 23.39 inches precip. for the summer makes this the wettest summer since 2004 when 32.65 inches was recorded.

The summer average temp. of 79.1°F makes 2020 the 5th warmest summer since 1880 and July was the warmest July on record.

The Richmond International Airport had 5 daily records or ties for August.

1. On August 24th the minimum temperature of 75°F tied with 1968 for the highest min. temperature for the date.
2. On August 29th the minimum temperature of 78°F was a new record; the previous record was 74°F set in 2018, 2006, 1993, 1900. Only 4 Augusts since 1897 have had a higher minimum temperature.
3. The 3.61 inches of precipitation on the 4th was the greatest precip. for the date; the previous record was 2.50 inches in 1948. Only 7 Augusts have had a daily rainfall of more than the 3.61 inches.
4. The 2.57 inches of precipitation on the 6th was the greatest precip. for the date; the previous record was 2.13 inches in 1901.
5. The Airport had 7 days with more than 1 inch of precipitation which is a new record since 1880; the previous record was 5 set in 2004.

ACON - VA/NC/SC

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

August 2020

Station summary of Climatological Data

Observer: Lowell L. Koontz West Henrico - Glen Allen, VA

Observation Times: Temps Recorded 2400 Precipitation Recorded 2400

TEMPERATURE °F

A	MEAN MAXIMUM	87.65
B	MEAN MINIMUM	70.21
C	MEAN MONTHLY	78.93
C1	MEAN TEMP DEP.	1.2
D	MAXIMUM	95.2
E	DATE(s) OF MAX.	Aug-02
F	MINIMUM	62.8
G	DATE(s) OF MIN.	Aug-17
H	# DAYS MAX. > = 90°	12
I	# MAX. < = 32°	0
J	MIN. < = 32°	0
K	MIN. >= 70 ° F	20
K1	AVE RELATIVE HUMIDITY	80.1

WIND MPH

L	MAX. GUST	29
M	DIRECT. OF GUST	NNW
N	DATE	Aug-04
	TIME	7:35

NUMBER DAYS WITH -

O	THUNDER	8
P	HAIL	0
Q	GLAZE	0
R	ICE PELLETS (SLEET)	0
R1	DENSE FOG < = 1/4 MILE	2

PRECIPITATION INCHES

T	MONTH TOTAL	10.96
U	CALENDAR DAY MAX.	2.91
U1	DATE OF MAX.	Aug-15
V	24-HR. PERIOD MAX.	3.27
V1	DATE(s) OF MAX. PD.	15 th & 16 th
W	# DAYS > = 0.01"	21
X	# DAYS > = 1.00"	3
Y	YR. TO DATE TOT.	37.87
	MAX. 1 HR. PRECIP.	1.35
	MAX. 5 MIN PRECIP.	0.27

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	2019 - 2020 SEASON'S TOT.	0.4

BAROMETER

6	MAXIMUM	30.17
6A	DATE	8 th , 9 th , 13 th
7	MINIMUM	29.56
7A	DATE	Aug-29
8	AVE. MONTHLY PRESSURE	29.98
CWA	NWS COUNTY WARNING AREA	Henrico

SPRINGFIELD PARK'S AUGUST TEMPERATURE & WIND GRAPH

