

1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
Aug 2021	Week Day	TEMPERATURE °F				TEMPERATURE °F				SKY		PRECIPITATION			FROZ. PRECIP.		1st PERIOD																				
		MAX.	Time	MIN.	Time	RANGE	MEAN	CHANGE	SOIL	AM	PM	Liquid	1 Hr.	5 Min.	NEW	GROUND	START	END																			
Aug-01	Sun	83.8	17:19	70.2	7:04	13.6	77.0	-0.9	78	2	2	1.20	0.68	0.13			0001	0645																			
Aug-02	Mon	83.4	15:43	66.7	6:36	16.7	75.1	-1.9	77	0	1																										
Aug-03	Tue	78.7	15:57	66.1	5:31	12.6	72.4	-2.7	77	2	2	T	T	T			1050	1055																			
Aug-04	Wed	81.4	16:15	64.3	23:57	17.1	72.9	0.4	76	2	1																										
Aug-05	Thu	86.4	15:34	59.7	6:37	26.7	73.1	0.2	76	0	0																										
Aug-06	Fri	89.1	15:13	63.4	5:37	25.7	76.3	3.2	76	0	2																										
Aug-07	Sat	74.1	0:43	68.5	20:44	5.6	71.3	-5.0	76	2	2	2.43	1.18	0.20			0435	1550																			
Aug-08	Sun	87.5	15:50	66.3	5:24	21.2	76.9	5.6	74	1	0																										
Aug-09	Mon	91.5	15:35	70.9	4:23	20.6	81.2	4.3	75	0	0																										
Aug-10	Tue	92.9	15:03	74.0	23:30	18.9	83.5	2.3	76	0	1	0.37	0.33	0.14			1725	1800																			
Aug-11	Wed	95.3	15:13	71.6	5:00	23.7	83.5	0.0	77	0	1	0.82	0.80	0.28			1803	1950																			
Aug-12	Thu	95.7	14:58	72.0	5:38	23.7	83.9	0.4	78	0	0																										
Aug-13	Fri	96.0	14:04	74.0	6:34	22.0	85.0	1.2	79	0	1	0.01	0.01	T			1755	1845																			
Aug-14	Sat	94.1	14:40	72.7	6:22	21.4	83.4	-1.6	80	0	1	1.07	0.66	0.14			1633	1750																			
Aug-15	Sun	84.2	14:33	71.3	5:41	12.9	77.8	-5.7	80	2	2	1.04	0.99	0.01			0001	0225																			
Aug-16	Mon	82.6	13:20	71.7	4:23	10.9	77.2	-0.6	79	2	2	0.91	0.72	0.26			0050	0410																			
Aug-17	Tue	88.2	16:14	73.3	6:41	14.9	80.8	3.6	78	2	2	0.17	0.17	0.06			1945	1950																			
Aug-18	Wed	89.7	16:09	75.1	0:10	14.6	82.4	1.7	79	2	1	0.05	0.03	0.02			1040	1315																			
Aug-19	Thu	93.4	14:34	73.6	6:05	19.8	83.5	1.1	79	0	1	0.02	0.02	0.01			2115	2145																			
Aug-20	Fri	83.9	15:05	72.9	8:05	11.0	78.4	-5.1	80	2	2	0.67	0.22	0.05			0001	0600																			
Aug-21	Sat	87.8	14:33	70.1	6:37	17.7	79.0	0.5	79	1	1																										
Aug-22	Sun	90.9	14:57	71.4	5:32	19.5	81.2	2.2	79	0	1																										
Aug-23	Mon	91.8	14:14	71.1	6:58	20.7	81.5	0.3	80	1	0																										
Aug-24	Tue	94.0	14:01	72.0	6:32	22.0	83.0	1.6	80	0	0																										
Aug-25	Wed	95.4	14:04	71.7	6:06	23.7	83.6	0.6	80	0	1																										
Aug-26	Thu	95.2	13:44	73.8	6:23	21.4	84.5	0.9	80	0	1	T	T	T			1726	1728																			
Aug-27	Fri	94.2	15:01	75.7	5:59	18.5	85.0	0.5	81	0	0																										
Aug-28	Sat	94.2	13:38	72.9	6:30	21.3	83.6	-1.4	81	0	0	0.02	0.02	T			2230	2400																			
Aug-29	Sun	86.6	16:05	72.0	2:33	14.6	79.3	-4.3	81	2	2																										
Aug-30	Mon	94.1	15:11	72.5	6:36	21.6	83.3	4.0	80	0	1	0.19	0.16	0.07			1858	1940																			
Aug-31	Tue	89.9	14:15	69.0	6:35	20.9	79.5	-3.8	80	1	2																										
TOTAL		2766.0		2190.5		575.5	2478	1.6	2431	24	33	8.97	5.99	1.37	0.00	0.00	Col.26-27																				
NUMBER		31	31	31	31	31	31	31	31	31	31	14	14	12	0	0	DAILY AVE RH																				
AVERAGE		89.23	14:34	70.66	7:25	18.56	79.94		78.42	0.77	1.06	Ave. Tot.	Ave. Max	Ave. Max			78.3	Percent																			
NORMALS		87.62		68.23		19.57	77.81		77.9	1.02	1.15	4.96	1.22	0.34			73.5	Percent																			
DEPARTURES		1.60		2.43		-1.00	2.13		0.6	-0.25	-0.09	4.01	-0.04	-0.06			4.7	Percent																			
Max. Temps. >= 90°F	2021	96.0	Ave High Max	75.7	Ave High Min	26.7	85.0	5.6	81.0	Whole Day		2.43	1.18	0.28			Precip.	24 Hr.																			
	17	Aug-13	95.7	Aug-27	75.6	Aug-05	Aug-13	Aug-08	Aug-27	Ave.	0.92	Aug-07	Aug-07	Aug-11			Amount	2.43																			
	Ave.	12.2	Dep.		Dep.				Aug-28	Normal	1.09						Date	Aug-07																			
	Departure	4.8	0.3		0.1				Aug-29	Depart.	-0.17						Date																				
Max. Temps. >= 70°F	2021	74.1	Ave Low Max	59.7	Ave Low Min	5.6	71.3	-5.7	74.0	SKY		>= 0.10 INCHES		>= 1.00 INCHES		>= 2.00 INCHES																					
	31	Aug-07	73.8	Aug-05	59.7	Aug-07	Aug-07	Aug-15	Aug-08	AM	PM	>= 10 DAYS		4 DAYS		1 DAYS																					
	Ave.	30.8	Dep.		Dep.					17	8	HOTTEST		85.0	Highest	Lowest	COOLEST	71.3																			
	Departure	0.2	0.3		0.0					PT. CLO.	4	13	DAY		8-13	Mean	Mean	DAY	8-07																		
										CLOUDY	10	10																									
Days Max. <=32 °F		0			MAX.	>=100	>=95	>=90	>=85	>=80	>=75	>=70	>=65	>=60	>=55	>=50	>=45	>=40																			
Days Max. >=90°F		17			DAYS	0	5	17	23	29	30	31	31	31	31	31	31	31																			

20		21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Aug 2021	2nd PERIOD		WIND			REL. HUMIDITY		BAROMETRIC PRESSURE											
	START	END	RUN	MAX.	TIME	MAX.	MIN.	MAX.	MIN.	AVE.	CHANGE	GLAZE	SLEET	SNOW	FOG	DEW	FROST		
Aug-01			42.9	12	11:10	98	68	29.94	29.80	29.87	-0.11							P	
Aug-02			65.0	16	10:15	97	45	30.10	29.88	29.99	0.12							3	
Aug-03			45.0	12	14:09	93	58	30.11	30.06	30.09	0.09							2	
Aug-04			77.0	22	12:24	93	56	30.12	30.05	30.09	0.00							3	
Aug-05			32.7	10	10:24	98	48	30.18	30.09	30.14	0.05							5	
Aug-06			46.3	13	13:06	97	47	30.22	30.12	30.17	0.04							4	
Aug-07			46.1	13	11:47	98	78	30.13	30.03	30.08	-0.09					1		P	
Aug-08			30.0	10	12:31	100	57	30.11	30.03	30.07	-0.01			3				P	
Aug-09			74.0	16	15:48	97	56	30.16	30.08	30.12	0.05							3	
Aug-10	2030	2300	86.5	18	15:49	95	58	30.17	30.06	30.12	0.00						3	3	
Aug-11			63.1	32	18:22	98	59	30.11	30.00	30.06	-0.06						4, 2	P	
Aug-12			61.9	13	16:55	99	53	30.11	30.00	30.06	0.00							P	
Aug-13			50.5	33	17:30	93	56	30.11	30.01	30.06	0.01						1	3	
Aug-14	2200	2400	45.4	19	16:38	97	56	30.22	30.04	30.13	0.07							2	P
Aug-15	1540	1545	35.4	17	17:15	99	77	30.19	30.11	30.15	0.02							2	P
Aug-16	0920	0925	24.5	10	16:51	99	86	30.17	30.08	30.13	-0.02							1	P
Aug-17	2210	2255	38.6	13	17:19	99	64	30.18	30.09	30.14	0.01								P
Aug-18			102.6	22	15:11	98	68	30.14	30.02	30.08	-0.05								P
Aug-19			45.2	23	19:11	98	57	30.08	29.94	30.01	-0.07						1	5	
Aug-20	1125	1130	54.7	13	9:58	98	72	29.98	29.86	29.92	-0.09								P
Aug-21			35.9	13	11:27	98	62	29.92	29.84	29.88	-0.04								5
Aug-22			29.2	17	17:29	98	55	29.92	29.85	29.89	0.00								4
Aug-23			20.3	9	13:59	97	57	29.94	29.88	29.91	0.02								4
Aug-24			27.9	12	11:12	97	35	30.06	29.94	30.00	0.09								4
Aug-25			19.2	8	12:41	97	54	30.13	30.06	30.10	0.09								4
Aug-26			40.9	14	15:13	98	55	30.15	30.06	30.11	0.01								5
Aug-27			78.2	15	12:52	95	59	30.12	30.04	30.08	-0.02								3
Aug-28			41.6	20	22:26	96	56	30.22	30.10	30.16	0.08						2	4	
Aug-29			28.3	9	0:36	97	73	30.20	30.06	29.80	-0.36								P
Aug-30			23.9	20	18:48	99	52	30.08	29.83	29.96	0.15						1	5	
Aug-31			13.3	8	13:08	99	61	29.89	29.78	29.84	-0.12								1
TOTAL NUMBER	Column 23		1426.1	482		3015	1838	933.16	929.79	931.15	TOTAL	0	0	0	1	11	19	0	
	Mar. Wind Run		31	31	31	31	31	31	31	31	Normal	0.0	0.0	0.0	1.6	7.2	18.5	0.0	
AVE.	Total		1426.1	46.0	15.5	14:16	97.26	59.29	30.10	29.99	30.04	Depart.	0.0	0.0	0.0	-0.6	3.8	0.5	0.0
NORMALS	Miles		1270.4	41.5	30.2		94.8	52.2	30.06	29.93	30.00	Rating ▶	0	0	0	3	14	70	0
Departures	Miles		155.7	4.5	-14.7		2.5	7.1	0.04	0.06	0.04	Intensity							
MAXIMUM DATES	Dates		102.6	33	West	100	86	30.22	30.12	30.17	0.15	GLAZE	SLEET	SNOW	FOG		Dew	Frost	
	1	Aug-18	Aug-13	17:30	Aug-08	Aug-16	Aug-06	Aug-06	Aug-06	Aug-30									
	2						Aug-14												
	3						Aug-28												
4	Min. Temps. >= 70°F				Ave. Max.						5. Very Heavy to Extreme 4. Heavy-Unusual 3. Moderate - Ave. 2. Light - < Ave. 1. Very Light - Slight - Trace M - Event with intensity missing N- None No Dew Obs. P- Precap. prevent obs.								
2021 23		Dates		13.3	8	30.2	93	35	29.89	29.78	29.80	-0.36							
Ave. 12.9		1		Aug-31	Aug-25	Dep.	Aug-03	Aug-24	Aug-31	Aug-31	Aug-29	Aug-29							
Departure 10.1		2		Aug-31	Aug-31	2.8	Aug-04												
Days Min. <=32 °F		0		≤ 75	≤ 70	≤ 65	≤ 60	≤ 55	≤ 50	≤ 45	≤ 40	≤ 35	N- None No Dew Obs.						
Days Min >=70°F		23		29	8	3	0	0	0	0	0	0	P- Precap. prevent obs.						

REMARKS FOR THE MONTH

August - 2021

Aug-01	CLOUDY AND COOL DAY FOR AUG. BUT HUMID-MAX. DEW POINT WAS 72.7 degrees F AT 1710
Aug-02	AM WAS CLEAR AND PM PARTY CLOUDY WITH A LOW DEW POINT OF ONLY 57.8 degrees F -PLEASANT AUG. DAY
Aug-03	LOW DEW POINT OF 60.1 degrees F AT 1830 - A CLOUDY COOL DAY WITH A SLIGHT SPRINKLE FROM 1050-1055
Aug-04	A CLOUDY AM AND PC PM AND STILL COOL FOR AUG. WITH A LOW DEW POINT OF 61 degrees F AT 2139
Aug-05	A CLEAR DAY AND WARMER BUT WITH A LOW DEW POINT OF 57 degrees F AT 0613 STILL NICE FOR AUG.
Aug-06	AM WAS CLEAR BUT PM SUN WAS BEHIND A THIN VEIL OF CIRRUS THAT BECAME THICKER IN PM
Aug-07	HEAVIEST ONE DAY RAIN TOTAL SINCE AUG. 15, 2020 -THE TS WAS RATED 1-1-5 AND HEAVIEST RAIN OCCURRED BETWEEN 1028-1050-2 THUNDERS WERE HEARD AT 0945 & 1018
Aug-08	MODERATE FOG WITH VISIBILITY 0.4 MILES THAT WAS HEAVIEST AT 0645 THAT CLEARED BY 0830 AND SKY STARTED TO CLEAR AT 1015 & WAS CLEAR BY 1115
Aug-09	A HOT AND HUMID DAY WITH MAX. DEW POINT OF 76 degrees F AT 1040
Aug-10	CLOUDS STARTED COMING IN AT 1230 & WAS PC BY 1315 ABOUT 20 THUNDERS HEARD & LIGHTNING CUT LIGHTS OFF FOR 10-15 SECS.-0.14 INS OF RAIN FELL BETWEEN
Aug-11	2 THUNDER STORMS OCCURRED TODAY-1ST TS FROM NW WAS RATED 4-4-3 WITH 1ST THUNDER HEARD AT 1736 & 2ND STORM WAS RATED 2-3-2 FORMED BY TO OUR SW
Aug-12	A VERY HOT AND HUMID DAY- MAX. DEW POINT WAS 80 degrees F AT 1415
Aug-13	MOSTLY CLEAR UNTIL 1530 THEN CUMULUS BECAME CUMULONIMBUS AS TS APPROACHED FROM W & ONE TS CELL TO NORTH MOVED NE & WEST CELL DISAPATED-TS RATED
Aug-14	1ST LIGHTNING AT 1648 & ONE STRIKE VERY CLOSE AT 1703-TS RATED 2-2-3 CONDITIONS ARE NOW WET-ONLY 0.02 INCH OCCURRED AFTER MIDNIGHT FROM TS OF 14TH
Aug-15	3RD PD. OF RAIN 1735-1815, 4TH PD OF RAIN 2000-2140 FROM TS RATED 2-2-4
Aug-16	3RD PD. OF RAIN 1210-1215, 4TH PD. 1300-1625, 5TH PD. 1720-1815-THUNDER HEARD AT 1533 & A CLOSE STRIKE AT 1534 & ALSO THUNDER AT 1645-TS RATED 1-2-3
Aug-17	A CLOUDY BUT VERY HUMID DAY LOWEST RH WAS 61% AT 1341-THIS AUG. IS ALREADY THE 2ND WETTEST ON RECORD
Aug-18	TROPICAL STORM FRED PASSED TO WEST & CLEARING STARTED BY 1345 AS FRED WAS FAR ENOUGH WEST NOT TO CAUSE PROBLEMS IN LOCAL AREA BUT VERY HUMID WITH
Aug-19	ANOTHER HOT AND HUMID DAY WITH MAX. DEW POINT OF 77.5 degrees F AT 1429-ONE THUNDER HEARD AT 2104 TS RATED 1-2-1
Aug-20	3RD PD. SHOWER 2000-2010 HENRI FORECAST TO HIT NEW ENGLAND
Aug-21	HENRI TRACKING TOWARD LONG ISLAND-TODAY WAS 1ST DAY IN PAST 8 DAYS WITH NO RAIN
Aug-22	HENRI DID LITTLE DAMAGE IN SOUTHERN NEW ENGLAND AS IT LOST ITS STRENGTH RATHER QUICKLY
Aug-23	AM WAS PC WITH CIRRUS AND PM WAS ABOUT 30% CLOUDY WITH CUMULUS-HOT AND HUMID WITH MAX. DEW POINT OF 76 degrees F AT 1620
Aug-24	A VERY CLEAR DAY AND 5TH HOTTEST DAY OF AUGUST - NO CLOUDS OBSERVED
Aug-25	TODAY WAS CLEAR TO NOON AND PM WAS 40% CLOUDY
Aug-26	TODAY WAS CLEAR TO 1230 AND PM WAS ABOUT 40-50% CLOUDY
Aug-27	TODAY WAS CLEAR TO 1215 AND THEN SCATTERED CUMULUS IN PM
Aug-28	MOSTLY CLEAR ALL DAY AND FIRST THUNDER HEARD AT 2226-TS WAS RATED 2-2-1
Aug-29	A CLOUDY DAY GIVING COOLER TEMPS. BUT STILL HIGH DEW POINTS-LOWEST RH FOR DAY WAS 73%
Aug-30	TS TO WEST WITH MUCH LIGHTNING THAT BECAME MUCH WEAKER AS IT APPROACHED WITH ONE STRONGER CELL WITH MUCH LIGHTNING THAT PASSED TO SOUTH
Aug-31	STILL HOT AND HUMID DAY WITH A MAX. DEW POINT OF 74.6 degrees F AT 1002

DATE

EXTENSION OF LENGTHY DAILY REMARKS

Aug-07	A VERY LOW TEMP. RANGE FOR DATE
Aug-10	1735-1740 WHICH WAS THE TS MOST INTENSE RAIN THAT WAS RATED 3-2-2
Aug-11	AND MOVED EAST AND EXPANDED WHILE MOVING EAST - SPRINGFIELD PARK CAUGHT NORTH EDGE - TOTAL TIME OF BOTH TS WITH THUNDER FOR 2 HOURS 5 MINS. - AND A RAINBOW OCCURRED FROM 1950-2000
Aug-13	1-4-1 THE FIRST THUNDER WAS HEARD AT 1715 WITH A WIND GUST TO 33 MPH BY 1730. TWO CLOSE LIGHTNING STRIKES AT 1747 AND 1748.
Aug-18	A MAX DEW POINT OF 81 degrees F AT 1404- 3 PERIODS OF SPRINKLES BETWEEN 0100- 0700.

ALL DEW POINTS THIS MONTH AND THE SUMMER ARE REDUCED BY 2 DEGREES F AS THE DAVIS INSTRUMENT OVERRATES DEW POINTS.

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 2021](#)

The Springfield Park Station had 19 Records or Record Ties in August 2021

1

2

3

The maximum temperature on the 3rd was 78.7&deg;F, a new 13-year cool daily maximum temperature record for the date - the old record was 82.5&deg;F in 2018.

4

The maximum temperature on the 4th was 81.4&deg;F, a new 13-year cool daily maximum temperature record for the date - the old record was 83&deg;F in 2013.

5

The daily temperature range on the 5th was 26.7&deg;F, a new 13-year HIGH daily temperature range record for the date - the old record was 24&deg;F in 2013 and 2010.

6

7

The daily precipitation on the 7th was 2.43 inches, a new 13-year HIGH daily precipitation record for the date - the old record was 0.65 inches in 2017.

8

9

10

11

The daily precipitation on the 11th was 0.82 inches, a new 13-year HIGH daily precipitation record for the date - the old record was 0.61 inches in 2015.

12

The maximum temperature on the 12th was 95.7&deg;F, a new 13-year daily HIGH maximum temperature record for the date - the old record was 94.2&deg;F in 2016.

13

14

15

16

The daily precipitation on the 16th was 0.91 inches, a new 13-year HIGH daily precipitation record for the date - the old record was 0.6 inches in 2020.

16

The daily temperature range on the 16th was 10.9&deg;F, a new 13-year LOW daily temperature range record for the date - the old record was 11.6&deg;F in 2020.

17

The daily temperature range on the 17th was 14.9&deg;F, a new 13-year LOW daily temperature range record for the date - the old record was 17&deg;F in 2017 and 2010.

18

The minimum temperature on the 18th was 75.1&deg;F, a new 13-year warm daily minimum temperature record for the date - the old record was 74.8&deg;F in 2017.

19

20

The daily temperature range on the 20th was 10.8&deg;F, a new 13-year LOW daily temperature range record for the date - the old record was 12.4&deg;F in 2018.

21

22

23

The maximum temperature on the 23rd was 91.8&deg;F, a new 13-year daily HIGH maximum temperature record for the date - the old record was 90.3&deg;F in 2020.

The minimum temperature on the 23rd was 71.1&deg;F, a new 13-year warm daily minimum temperature record for the date - the old record was 70.7&deg;F in 2020.

24

The maximum temperature on the 24th was 94&deg;F, a new 13-year daily HIGH maximum temperature record for the date - the old record was 91.3&deg;F in 2015.

25

The maximum temperature on the 25th was 95.4&deg;F, a new 13-year daily HIGH maximum temperature record for the date - the old record was 94&deg;F in 2011.

The minimum temperature on the 25th was 71.7&deg;F, a new 13-year warm daily minimum temperature record for the date - the old record was 70.8&deg;F in 2020.

26

27

The maximum temperature on the 27th was 94.2&deg;F, a new 13-year daily HIGH maximum temperature record for the date - the old record was 93.8&deg;F in 2020.

The minimum temperature on the 27th was 75.7&deg;F, a new 13-year warm daily minimum temperature record for the date - the old record was 72.5&deg;F in 2016.

28

29

30

The minimum temperature on the 30th was 72.5&deg;F, a new 13-year warm daily minimum temperature record for the date - the old record was 71.9&deg;F in 2018.

31

August 2021 Springfield Park

August was the 2nd wettest August and only last year was wetter. August had 14 days of measurable precipitation and tied for 3rd place & Aug. was the 3rd most humid on record in the past 13 years.

The 8.97 inches of rain for August was a +4.01-inch departure based on a 13-year average. August had 2.43 inches on the 7th which was also the most rainfall in a day since Aug. 15th 2020.

The monthly mean temperature for August was 79.9°F which was 2.1°F departure and our 2nd warmest August in the past 13 years. The maximum temperature for August was 96°F on the 13th and the warmest night was 75.7°F on the 27th. August had 17 days of equal to or greater than 90°F heat which tied for 3rd place. The lowest August minimum was 59.7°F on the 5th and there were 23 nights the temperature was equal to or greater than 70°F which was a new record for August. The average temperature range for August was only 18.6°F; the 13-year average is 19.6°F, a negative departure because of the humid air masses we had. The 72.4 average dew point temperature for August as calculated by the Davis Vantage Pro instrument; it was a new high record. August had an average relative humidity of 78.3%.

The max. wind gust was only 33 mph on the 13th from the west at 1730 from a local thunderstorm.

Summer 2021 Springfield Park, Henrico County, Glen Allen, VA									
2021 Summer Season Table	13Yr. Ave. Mean Temp.	Mean Temp. °F	Temp. Dep. °F	13Yr. Ave. Prec. Ave.	Total Prec. inches	Precip. Dep. inches	13Yr. Ave. Rel. Hum.	Rel. Hum. %	Rel. Dep. %
June	76.06	76.33	0.28	4.92	4.01	-0.91	71.8	74.4	2.6
July	80.27	80.04	-0.23	4.37	3.53	-0.84	70.6	73.7	3.2
Aug.	77.81	79.94	2.13	4.96	8.97	4.01	73.5	78.3	4.7
SUM AVE.	234.14	236.3	2.18	14.25	16.51	2.26	215.9	226.4	10.5
	78.05	78.77	0.73	4.75	5.50	0.75	72.0	75.5	3.5

Springfield Park's 16.51 inches of precip. for the summer made 2021 the 5th wettest summer on record.

Springfield Park's 78.8 mean for the summer made 2021 the 5th hottest summer on record.

The summer had 31 days with measurable precipitation which was the 5th least on record.

The summer of 2021's average relative humidity of 75.5% was the 5th most humid summer.

Richmond International Airport

The Richmond International Airport's average mean temperature was 79.9°F a departure of +2.4°F and the 8th hottest August since 1897 and the 9th warmest since 1880 if 1892 is not omitted. The average maximum was 88.9°F, a +1.4°F departure, and the average minimum was 71.0°F which was a 3.4°F departure. Only 3 Augusts have had a higher average minimum temperature since 1880. Only August 1900 and 2005 have had higher min. temps or warmer nights. This August had 15 days with temperatures of equal to or greater than 90°F and 24 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 17.9°F because of the high humidity; only 29 years have had a lower range for August since 1897. The highest daily temperature range for the month was 24°F on the 5th and 6th and only 4 Augusts have had a lower range since 1897. The highest monthly temperature was 95°F on the 12th, 13th, 24th. The lowest monthly maximum temperature was 75°F on the 7th. The lowest minimum temperature for August was 61°F on the 3rd and 4th.

The Airport had 7.21 inches of precipitation, a departure of +2.31 inches which made August the 26th wettest since 1887 with 14 days with measurable precipitation.

Summer 2021 Richmond Climate Report						
2021 Summer Season Table	30Yr. Ave. Mean Temp.	Mean Temp. °F	Temp. Dep. °F	30Yr. Ave. Precip. Ave.	Total Prec. Inches	Prec. Dep. Inches
June	75.0	76.1	1.1	4.64	4.02	-0.62
July	79.4	79.5	0.1	4.37	6.59	2.22
Aug.	77.5	79.9	2.4	4.90	7.21	2.31
SUM AVE.	231.90	235.5	3.6	13.91	17.82	3.91
	77.3	78.5	1.2	4.64	5.94	1.30

The 17.82 inches precip. for the summer of 2021 makes it the 29th wettest summer since 1887.

The summer 's average temp. of 78.5°F makes 2021 the 11th warmest summer since 1880.

The Airport had 4 daily records or ties for Aug. & all were for high daily minimum temps from 1897 to 2021.

Jul 18th 76°F Tied the record set in 1988

Jul 19th 75°F New Record – The old record was 74 in 1900, 1901, 2009, 2017, 2019

Jul 26th 75°F New Record – The old record was 74 in 1900, 1903, 1943

Jul 27th 75°F Tied the record set in 1998

ACON - VA/NC/SC

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

August 2021

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	89.23
B	MEAN MINIMUM	70.66
C	MEAN MONTHLY	79.94
C1	MEAN TEMP DEP.	2.1
D	MAXIMUM	96.0
E	DATE(s) OF MAX.	Aug-13
F	MINIMUM	59.7
G	DATE(s) OF MIN.	Aug-05
H	# DAYS MAX. > = 90°	17
I	# MAX. < = 32°	0
J	MIN. < = 32°	0
K	MIN. > = 70 ° F	23
K1	AVE RELATIVE HUMIDITY	78.3

WIND MPH

L	MAX. GUST	33
M	DIRECT. OF GUST	West
N	DATE	Aug-13
	TIME	17:30

NUMBER DAYS WITH -

O	THUNDER	11
P	HAIL	0
Q	GLAZE	0
R	ICE PELLETS (SLEET)	0
R1	DENSE FOG < = 1/4 MILE	1

PRECIPITATION INCHES

T	MONTH TOTAL	8.97
U	CALENDAR DAY MAX.	2.43
U1	DATE OF MAX.	Aug-07
V	24-HR. PERIOD MAX.	2.43
V1	DATE(s) OF MAX. PD.	Aug-07
W	# DAYS > = 0.01"	14
X	# DAYS > = 1.00"	4
Y	YR. TO DATE TOT.	34.96
	MAX. 1 HR. PRECIP.	1.18
	MAX. 5 MIN PRECIP.	0.28

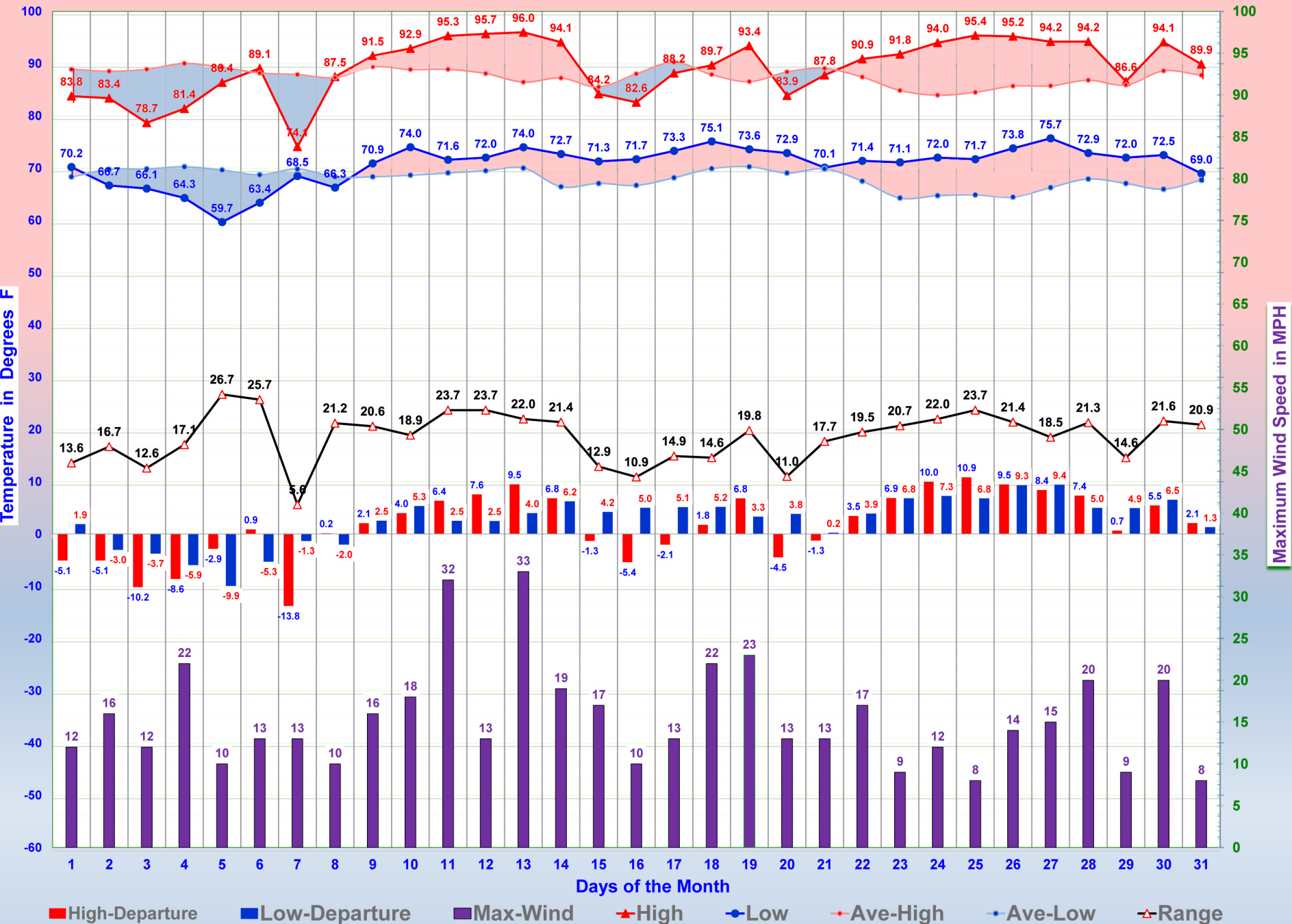
SNOWFALL INCHES

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	30.22
6A	DATE	06 th , 14 th , 28 th
7	MINIMUM	29.78
7A	DATE	Aug-31
8	AVE. MONTHLY PRESSURE	30.04
CWA	NWS COUNTY WARNING AREA	Henrico

SPRINGFIELD PARK'S AUGUST TEMPERATURE & WIND GRAPH



The Richmond International Airport AUGUST TEMPERATURE GRAPH

