

PAGE #1		Apr 2021 West Henrico Co. - Glen Allen Weather Center 37.65537° N. 77.56929° W. - Koontz																		
Apr 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		
Apr-01	Thu	58.8	0:01	37.2	23:53	21.6	48.0	-16.8	56	2	2	0.42	0.21	0.05			0138	0740		
Apr-02	Fri	48.0	15:05	28.2	06:33	19.8	38.1	-9.9	55	0	0									
Apr-03	Sat	56.8	15:22	24.8	06:47	32.0	40.8	2.7	53	0	0									
Apr-04	Sun	76.4	14:55	37.4	05:29	39.0	56.9	16.1	53	0	0									
Apr-05	Mon	75.7	17:05	42.7	07:04	33.0	59.2	2.3	54	0	0									
Apr-06	Tue	81.2	16:59	46.2	06:46	35.0	63.7	4.5	55	0	0									
Apr-07	Wed	83.7	14:25	46.9	06:45	36.8	65.3	1.6	57	0	1									
Apr-08	Thu	75.2	14:41	53.6	07:18	21.6	64.4	-0.9	58	0	1	T	T	T			2150	2205		
Apr-09	Fri	76.0	16:33	54.9	04:59	21.1	65.5	1.1	58	2	2	0.09	0.06	0.03			0001	0150		
Apr-10	Sat	77.1	17:06	55.2	04:30	21.9	66.2	0.7	59	2	1	0.12	0.11	0.03			2145	2340		
Apr-11	Sun	79.6	15:28	59.1	06:50	20.5	69.4	3.2	60	0	1	0.05	0.04	0.01			0035	0415		
Apr-12	Mon	72.0	11:17	50.8	06:40	21.2	61.4	-8.0	61	0	2	T	T	T			1855	1950		
Apr-13	Tue	70.5	14:10	50.3	04:59	20.2	60.4	-1.0	60	1	1									
Apr-14	Wed	71.0	17:00	48.1	06:45	22.9	59.6	-0.9	60	1	2	0.23	0.21	0.04			1810	2000		
Apr-15	Thu	70.2	15:32	47.4	23:42	22.8	58.8	-0.8	60	2	2	0.06	0.04	0.01			0001	0305		
Apr-16	Fri	67.9	17:22	36.2	06:40	31.7	52.1	-6.7	60	0	1									
Apr-17	Sat	67.9	15:19	38.5	06:51	29.4	53.2	1.2	59	0	2	T	T	T			2120	2235		
Apr-18	Sun	68.5	16:11	43.3	06:04	25.2	55.9	2.7	60	0	2	T	T	T			1950	2005		
Apr-19	Mon	61.9	17:29	47.1	23:39	14.8	54.5	-1.4	60	2	2	0.40	0.26	0.06			0125	0130		
Apr-20	Tue	76.3	15:05	41.9	06:06	34.4	59.1	4.6	58	0	0									
Apr-21	Wed	73.3	13:15	41.0	23:58	32.3	57.2	-2.0	60	1	1	T	T	T			1245	1250		
Apr-22	Thu	57.4	15:38	31.8	04:55	25.6	44.6	-12.6	59	1	2									
Apr-23	Fri	65.0	16:32	32.2	06:29	32.8	48.6	4.0	57	0	1									
Apr-24	Sat	64.5	14:27	37.4	05:53	27.1	51.0	2.4	57	2	2	0.46	0.25	0.04			1500	2400		
Apr-25	Sun	69.4	16:06	47.2	23:59	22.2	58.3	7.4	57	2	2	0.17	0.14	0.03			0001	0215		
Apr-26	Mon	73.0	17:14	42.0	06:03	31.0	57.5	-0.8	58	0	0									
Apr-27	Tue	86.4	15:57	50.5	05:46	35.9	68.5	11.0	59	0	0									
Apr-28	Wed	87.8	14:45	64.1	06:00	23.7	76.0	7.5	61	2	0									
Apr-29	Thu	87.5	13:24	69.5	07:27	18.0	78.5	2.6	63	2	1	0.05	0.05	0.02			0440	0445		
Apr-30	Fri	77.2	14:14	52.9	23:58	24.3	65.1	-13.5	64	0	0	0.03	0.03	0.01			0125	0405		
TOTAL NUMBER		2156.2		1358.4		797.8	1757.3	0.2	1751	22.0	31.0	2.08	1.40	0.33	0	0	Col.26-27			
AVERAGE		71.87	14:57	45.28	9:45	26.59	58.58	0.01	58.37	0.73	1.03	Ave. Tot.	Ave. Max	Ave. Max	Ave.Tot.	Ave.Days	63.9	Percent		
NORMALS		70.73		47.33		19.81	59.03		57.65	1.13	1.13	3.45	0.49	0.15	0.0	0.0	64.5	Percent		
DEPARTURES		1.14		-2.05		6.8	-0.45		0.7	-0.40	-0.10	-1.37	-0.23	-0.09	0.0	0.0	-0.5	Percent		
Max. Temps. >= 70°F		87.8	Ave.HighMax	69.5	Ave.HighMin	39	78.5	16.1	64	Whole Day		0.46	0.26	0.06	0	0.0	Precip	24 Hr.		
2021 19		Apr-28	87.1	Apr-29	65.2	Apr-04	Apr-29	Apr-04	Apr-30	Ave.Sky	0.88	Apr-24	Apr-19	Apr-19			Amount	0.63		
Ave. 17.3			Dep.		Dep.					Normal	1.06						Date	04-24		
Departure 1.7			0.7		4.3					Depart.	-0.17						Date	04-25		
Min. Temps. <= 32°F		48	Ave.LowMax	24.8	Ave.LowMin	14.8	38.1	-16.8	53	SKY	AM	PM	>= 0.10	INCHES	>= 1.00	INCHES	>= 2.00	INCHES		
2021 4		Apr-02	51.8	Apr-03	30.8	Apr-19	Apr-02	Apr-01	Apr-03	CLEAR	17	10	6	DAYS	0	DAYS	0	DAYS		
Ave. 1.5			Dep.		Dep.				Apr-04	P.CLO.	4	9	Hottest	78.5	Highest	Lowest	Coollest	38.1		
Departure 2.5			-3.8		-6.0					CLO.	9	11	DAY	4-29	Mean	Mean	DAY	4-02		
Days Max. <=32 °F		0			MAX.	>=95	>= 90	>= 85	>= 80	>= 75	>= 70	>= 65	>= 60	>= 55	>= 50	>= 45	>= 40	>= 35		
Days Max. >=90°F		0			DAYS	0	0	3	6	13	19	25	26	29	29	30	30	30		

20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38

Apr 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	
Apr-01	1215	1220	122.1	26	02:09	98	38	30.22	29.83	30.03	0.00					P		
Apr-02			111.6	27	10:09	69	27	30.40	30.21	30.31	0.28						1	
Apr-03			46.6	14	14:39	89	23	30.51	30.28	30.40	0.09						4	
Apr-04			71.1	17	13:25	69	25	30.29	30.00	30.15	-0.25					2		
Apr-05			47.6	17	14:40	72	24	30.17	29.99	30.08	-0.07					2		
Apr-06			49.9	14	21:52	81	30	30.06	29.91	29.99	-0.09					3		
Apr-07			42.8	15	15:06	85	33	30.00	29.89	29.95	-0.04					3		
Apr-08	2250	2310	144.6	21	14:48	83	45	30.06	29.94	30.00	0.05					3		
Apr-09	2025	2130	66.9	14	00:37	95	63	30.08	29.98	30.03	0.03				1, 3	P		
Apr-10			57.0	17	21:18	100	57	30.04	29.69	29.87	-0.16				3	P		
Apr-11	2300	2310	107.4	25	03:42	96	39	29.69	29.45	29.57	-0.30					P		
Apr-12			42.0	16	20:27	95	48	29.93	29.53	29.73	0.16					4		
Apr-13			58.9	15	12:05	96	50	30.13	29.93	30.03	0.30					P		
Apr-14	2125	2400	69.5	17	23:05	97	62	30.13	29.88	30.01	-0.03					3		
Apr-15	0420	0425	56.6	19	20:57	98	42	29.89	29.68	29.79	-0.22					P		
Apr-16			64.5	17	11:45	87	35	29.86	29.73	29.80	0.01					3	1	
Apr-17			45.0	12	10:02	93	38	29.89	29.79	29.84	0.04					4		
Apr-18	2107	2120	40.0	13	21:07	96	41	29.93	29.84	29.89	0.04					4		
Apr-19	0600	1430	36.1	13	10:15	96	62	29.97	29.84	29.91	0.02					P		
Apr-20			96.2	21	17:35	99	32	30.05	29.89	29.97	0.06					5		
Apr-21	1405	1410	138.6	24	13:49	77	33	30.00	29.68	29.84	-0.13					N		
Apr-22			70.3	19	00:35	80	29	30.15	30.00	30.08	0.23						1	
Apr-23			57.8	13	18:48	90	28	30.23	30.07	30.15	0.07						3	
Apr-24			54.1	16	21:35	97	39	30.13	29.70	29.92	-0.23					3		
Apr-25			77.9	23	17:48	97	44	29.98	29.65	29.82	-0.10					P		
Apr-26			46.2	13	12:18	96	31	30.17	29.98	30.08	0.26					4		
Apr-27			122.5	24	18:32	79	34	30.12	29.95	30.04	-0.04					1		
Apr-28			131.8	22	17:18	77	39	30.01	29.86	29.94	-0.10					N		
Apr-29	0640	0650	123.8	25	15:48	92	46	29.90	29.61	29.76	-0.18					N		
Apr-30			107.2	29	20:21	93	26	29.95	29.61	29.78	0.03					P		
TOTAL NUMBER	Column 23		2306.6	558		2672	1163	901.94	895.39	898.67	DAYS	0	0	0	1	2	14	5
	Mar. Wind Run		30	30	30	30	30	30	30	30	Normal	0.0	0.1	0.3	2.1	3.7	13.3	3.2
AVERAGE	Total	2306.6	76.89	18.60	14:33	89.07	38.77	30.06	29.85	29.96	Depart.	0.0	-0.1	-0.3	-1.1	-1.7	0.7	1.8
NORMALS	Miles	2300.9	76.7	21.5		88.0	40.5	30.11	29.88	29.99	Rating ▶	0	0	0	3	0	44	10
DEPARTURES	Miles	5.7	0.2	-2.9		1.1	-1.8	-0.04	-0.03	-0.04	Intensity	GLAZE	SLEET	SNOW	FOG		Dew	Frost
MAXIMUM DATES	Dates	144.6	29	North	100	63	30.51	30.28	30.40	0.30	GLAZE	SLEET	SNOW	FOG		Dew	Frost	
	1	Apr-08	Apr-30	20:21	Apr-10	Apr-09	Apr-03	Apr-03	Apr-03	Apr-13								
	2																	
	3																	
Min. Temps. >= 70°F	4			Ave. Max.							5. Very Heavy 4. Heavy-Unusual 3. Moderate - Ave. 2. Light - >= Ave. 1. Very Light - Slight - Trace M - Event with intensity missing							
2021	1	Dates	36.1	12	36.5	69	23	29.69	29.45	29.57	-0.30							
Ave.	0.2	1	Apr-19	Apr-17	Dep.	Apr-02	Apr-03	Apr-11	Apr-11	Apr-11	Apr-11							
Departure	0.8	2			-7.5	Apr-04												
Days Min. <=32 °F	4	MIN.	≤ 75	≤ 70	≤ 65	≤ 60	≤ 55	≤ 50	≤ 45	≤ 40	≤ 35	≤ 30	≤ 25	≤ 20	≤ 15			
Days Min >=70°F	1	Days	30	30	29	28	27	21	14	9	4	2	1	0	0			

## REMARKS FOR THE MONTH

April - 2021

<b>Apr-01</b>	TODAY WAS A COLD START FOR APRIL-MIN. WIND CHILL WAS 31.9 °F AT 2124-MOSTLY CLOUDY DAY
<b>Apr-02</b>	DRY AIR AND BREEZY LITTLE FROST BUT A HARD FREEZE-A VERY COLD WINDY APRIL DAY BUT MOSTLY SUNNY
<b>Apr-03</b>	COLDEST APR. TEMPS. ON RECORD AT SPRINGFIELD PARK STATION-PREVIOUS LOW APRIL REC. WAS 25.2 °F ON APR. 10, 2016
<b>Apr-04</b>	CLOUDY UNTIL 0930 THEN CLEAR REST OF DAY-A STRONG WARMUP - WINDY PM WITH LOW RH-DEW ONLY ON THE GRASS
<b>Apr-05</b>	DEW ONLY ON GRASS-NOT ON CARS OR SKY MIRROR-A CLEAR PLEASANT DAY WITH LOW RH OF 24% AT 1508
<b>Apr-06</b>	A SUMMER LIKE PM UNDER A PC SKY
<b>Apr-07</b>	CLEAR AM AND A PC PM
<b>Apr-08</b>	COOLER TODAY WITH AN EAST WIND IN PM TO 21 MPH-SOME THIN CIRRUS CLOUDS IN PM BUT SOLAR ENERGY THROUGH CLOUDS
<b>Apr-09</b>	2-TS ONE DISTANT THUNDER AT 0121-Rated1-1-1 - SECOND TS WAS STRONG BUT PASSED TO THE SOUTH BUT CLOSE ENOUGH TO SEE MUCH DISTANT LIGHTNING-
<b>Apr-10</b>	FOG HEAVIEST AT 0645 AND CLEARED BY 0845-CLEAR SKY BY 1215 BUT PM WAS ABOUT 60% CLOUDY
<b>Apr-11</b>	WARM SPRING DAY WITH AN AM WIND GUST TO 25 MPH AT 0342
<b>Apr-12</b>	DAY STARTED OUT CLEAR UNTIL 1015 BUT A TOTAL OVERCAST BY 1130-COLD FRONT PASSED AT 1930 WITH A TRACE OF RAIN
<b>Apr-13</b>	THE CLOUDINESS BOTH AM AND PM WAS BET. 60-70% CLOUDY WITH A NORTH WIND THAT BECAME EAST AT 1800
<b>Apr-14</b>	MOSTLY CLEAR UNTIL 0815 THEN A THIN CIRRUS OVERCAST THAT BECAME CLOUDY AFTER 1130
<b>Apr-15</b>	A SHOWER 3RD PD. 0755-0810, 4TH PD. 0950-1035 AND WINDY AFTER 1930 AND COOLER FROM A COLD FRONTAL PASSAGE
<b>Apr-16</b>	A VERY CLEAR AM WITH CUMULUS COMING IN AT 1145 AND SCATTERED CUMULUS DURING MOST OF PM-PM CLOUDINESS EST. 35%
<b>Apr-17</b>	TRACE OF FROST ON ROOFS BECAUSE OF A CALMER NIGHT THAN ON 16TH-MOSTLY CLEAR UNTIL 1315 & PM WAS CLOUDY
<b>Apr-18</b>	A VERY HEAVY DEW AND A VERY CLEAR AM UNTIL 1100 AND PC BY 1135 AND PM BECAME TOTALLY CLOUDY
<b>Apr-19</b>	A RAINY DAY UNTIL 1430 BUT CLEARING BY 1600 THEN CLEAR 1645 INTO THE NIGHT
<b>Apr-20</b>	A VERY HEAVY DEW AND A VERY CLEAR SUNNY DAY WITH A WINDY PM AS A COLD FRONT IS APPROACHING VA
<b>Apr-21</b>	BECAME CLOUDY AT 0945 & CLEARING AT 1545 & VERY CLEAR AFTER 1800 - THE TRACE OF PRECIP. WAS VERY LIGHT FROM COLD FRONT BUT IT WAS
<b>Apr-22</b>	NOT MUCH FROST BECAUSE OF WIND BUT FREEZING TEMPS. - CLEAR UNTIL 0930 & PC TO 1115 THEN CLOUDY MOST OF THE REST OF DAY
<b>Apr-23</b>	BREEZY AND COOL APRIL DAY
<b>Apr-24</b>	SOME SUN EARLY AM THROUGH THIN CIRRUS BUT A COMPLETE OVERCAST AND BREEZY-PRECIP. STARTED AT 1500
<b>Apr-25</b>	TODAY WAS MOSTLY CLOUDY WITH A LOW CEILING FROM STRATUS IN AM AND PM HAD STRATOCUMULUS CLOUDS
<b>Apr-26</b>	TODAY WAS VERY SUNNY AND CLEAR WITH PLEASANT TEMPS.
<b>Apr-27</b>	TODAY WAS VERY SUNNY AND CLEAR AND A WARM DAY-WARMEST SINCE SEPT. 10, 2020 WHEN IT WAS 87.7 °F
<b>Apr-28</b>	TODAY'S 87.8 WAS THE WARMEST DAY SINCE SEPT. 4, 2020 WHEN IT WAS 92.3 °F - TODAY HAD A HIGH THIN OVERCAST UNTIL 1015 & PC TO NOON-PM WAS
<b>Apr-29</b>	3RD PD. OF PRECIP. AS SPRINKLES 1929-2035-A WARM AND WINDY DAY WITH VARIABLE CLOUDINESS-MAX. WIND SPEED WAS 25 MPH AT 1548
<b>Apr-30</b>	COLD FRONT PASSED AROUND 0130 AND WAS FOLLOWED BY A VERY CLEAR VERY SUNNY DAY WITH BLUE SKY UNTIL 1000 THEN SCATTERED CUMULUS TO 1400 THEN CLEAR

## DATE

<b>Apr-09</b>	AND WAS RATED 3-1-1 BUT NO STORM HERE JUST 0.03 INCHES RAIN OF THE 0.09 INCHES RECORDED.
<b>Apr-21</b>	VERY WINDY AND FRONT PASSED AT 1330
<b>Apr-28</b>	ABOUT 30% CLOUDY
<b>Apr-30</b>	AGAIN BUT AN EXTREMELY WINDY DAY - MAX. WIND GUST WAS 29 MPH AT 2021.

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](#)



# April 2021

## Springfield Park, Glen Allen - Henrico Co., VA

It was surprising that April was the second driest April on record with 2.08 inches of precipitation which was a departure of -1.37 inches. The driest April was 2010 with 1.94 inches. Measurable precipitation occurred on 11 days. The most precipitation to fall in a 24-hour period was only 0.63 inches which is the 2<sup>nd</sup> least in April in the past 12 years. The least precipitation in a calendar day this month was 0.46 inches which set a new min. record for the month of April.

The mean temperature of 58.6°F was a - 0.5°F departure from the April 12 year average. The average max. temp. was 71.9 which was a 1.1°F departure. The average min. was 45.3°F which was a -2.1°F departure. The clearer and drier April added to spreading the temp. departures and high average daily temp. range for April. The temperature range for April was 26.6°F which tied the high record for April. Freezing temperatures were recorded on 4 days of the month. **The 24.8°F min. temp. on the 3<sup>rd</sup> was the lowest min. temp. ever recorded at the Springfield Park station in April in the past 12-years.** This killed not only some annuals but also the new spring growth on the rose bushes, tea olive bush, and nandinas. On the other-hand, 69.5°F on the 29<sup>th</sup> was the second warmest night ever recorded at this station in April.

The cloud cover was below average and this was the 3<sup>rd</sup> clearest April in the past 12 years. The maximum temp. range was 39°F on April 4<sup>th</sup> and the minimum range was only 14.8°F on April 19<sup>th</sup>. The previous high min. temp. range for April was only 11.7°F in 2019.

## Richmond International Airport

The April precipitation total was only 1.34 inches, a departure of -1.93 inches. **This was the tenth driest April since 1887.** The greatest daily precipitation was only 0.49 inches on the 24<sup>th</sup> ;only 11 years since 1887 have had less.

April was the 37<sup>th</sup> warmest April since 1897 with a mean temperature of 58.9°F and a departure of 0.7°F above the average. Freezing temperatures were recorded on 2 days of the month. The average maximum temperature of 72°F was a departure of 1.7°F which was the 27<sup>th</sup> warmest since 1897. The average minimum temperature of 45.9°F with a departure of -0.2°F was the 53<sup>rd</sup> warmest since 1897. **The highest minimum for April was 69°F on the 29<sup>th</sup> which tied for the second highest minimum on record for April since 1897.** The highest on record was 73°F which also occurred on the 29<sup>th</sup> in 2017. The largest daily temp. range for April was 41°F on the 4<sup>th</sup> and the lowest daily range was only 14°F on the 19<sup>th</sup>. Only 8 Aprils since 1897 have had a higher daily minimum temp. range. The average daily temp. range was 26.1°F which was a departure of 2.3°F and was the 21<sup>st</sup> highest average daily temp. range on record.

The Airport had no new daily records or ties for April.

The Airport reported no snow in April. The last measurable snow for Richmond in April was one inch on April 7, 2007. The latest measurable snow for Richmond is 0.2 inches recorded on April 21, 1953. The 2.5 inches of snow in the Richmond records on April 28, 1898 is wrong as the snow melted as it fell. The melted precipitation was 0.25 inches and using the 10 to 1 ratio of snow to liquid they recorded 2.5 inches; it should have been recorded as a trace of snow. It is the latest known trace of snow recorded in Richmond.

# ACON - VA/NC/SC

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

April 2021

## Station summary of Climatological Data

Observer: Lowell L. Koontz Acon Station ID: West Henrico Glen Allen, VA

Observation Times: Temps Recorded 2400 Precipitation Recorded 2400

### TEMPERATURE °F

A	AVERAGE MAXIMUM	71.87
B	AVERAGE MINIMUM	45.28
C	MEAN MONTHLY	58.58
C1	MEAN TEMP DEP.	-0.45
D	MAXIMUM	87.8
E	DATE(s) OF MAX.	Apr-28
F	MINIMUM	24.8
G	DATE(s) OF MIN.	Apr-03
H	# DAYS MAX. > = 90°	0
I	# MAX. < = 32°	0
J	MIN. < = 32°	4
K	MIN. < = 0°	0
K1	AVE RELATIVE HUMIDITY	63.9

### WIND MPH

L	MAX. GUST	29
M	DIRECT. OF GUST	North
N	DATE	Apr-30
	TIME	20:21

### NUMBER DAYS WITH -

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

### PRECIPITATION INCHES

T	MONTH TOTAL	2.08
U	CALENDAR DAY MAX.	0.46
U1	DATE OF MAX.	Apr-24
V	24-HR. PERIOD MAX.	0.63
V1	DATE(s) OF MAX. PD.	04-24
W	# DAYS > = 0.01"	11
X	# DAYS > = 1.00"	0
Y	YR. TO DATE TOT.	14.97
	MAX. 1 HR. PRECIP.	0.26
	MAX. 5 MIN PRECIP.	0.06

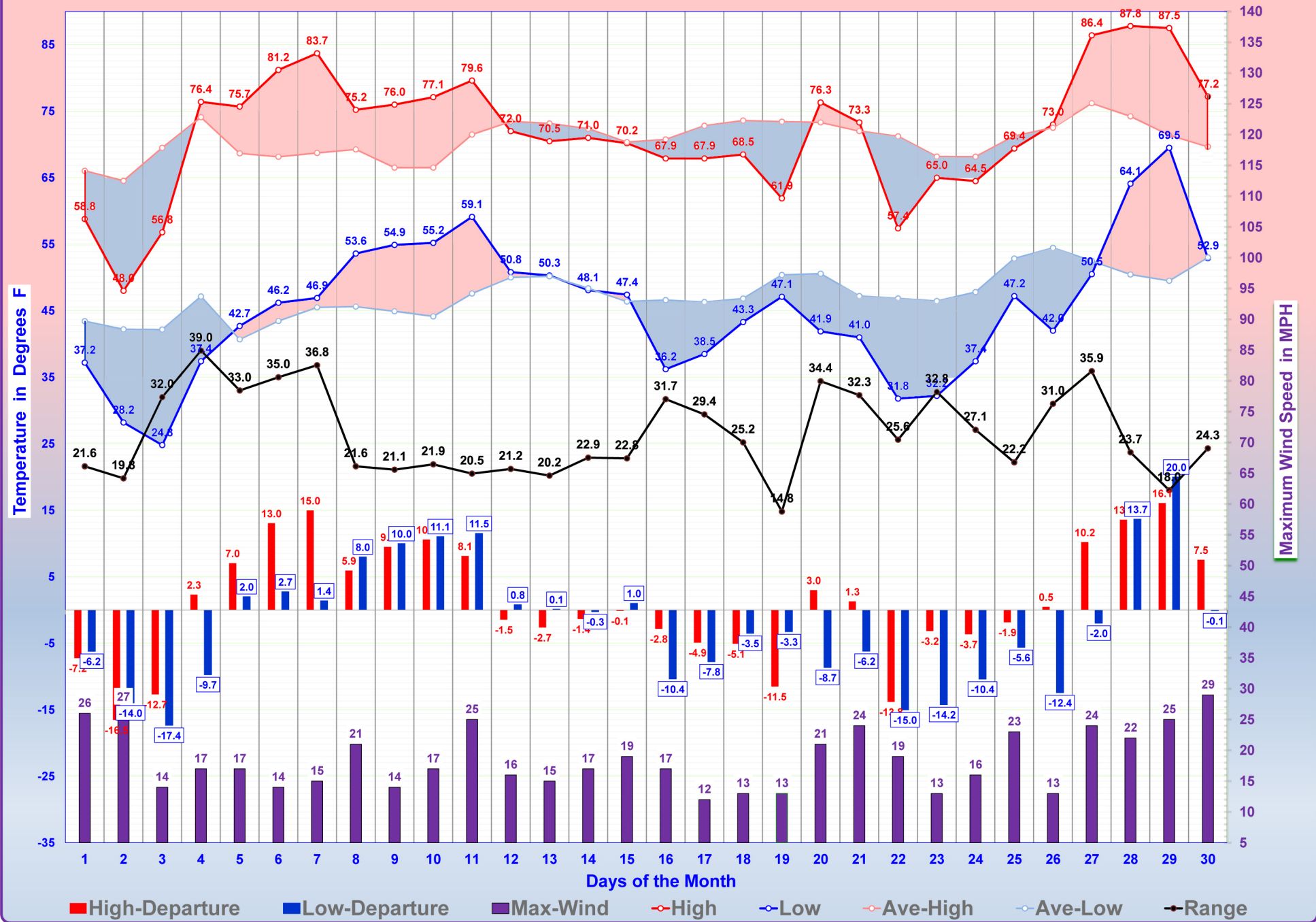
### SNOWFALL INCHES

Z	DAILY MAXIMUM	0
1	DATE OF MAX.	
2	DAYS= > TRACE	0
3	DAYS > = 1.0"	0
4	MONTHLY TOTAL	0
5	2020 - 2021 SEASON'S TOT.	11.7

### BAROMETER

6	MAXIMUM	30.51
6A	DATE	Apr-03
7	MINIMUM	29.45
7A	DATE	Apr-11
8	AVE. MONTHLY PRESSURE	29.96
CWA	NWS COUNTY WARNING AREA	Henrico

# SPRINGFIELD PARK'S APRIL TEMPERATURE & WIND GRAPH



# The Richmond International Airport APRIL TEMPERATURE GRAPH

