

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
March 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
Mar-01	Mon	59.4	13:05	39.7	23:58	19.7	49.6	0.3	44	2	2	0.35	0.12	0.04			0320	1010
Mar-02	Tue	48.1	13:01	30.1	4:50	18.0	39.1	-10.5	45	0	1							
Mar-03	Wed	61.8	15:14	29.4	6:13	32.4	45.6	6.5	44	0	0							
Mar-04	Thu	62.6	13:18	32.9	5:47	29.7	47.8	2.2	44	0	0							
Mar-05	Fri	48.9	14:22	24.0	6:50	24.9	36.5	-11.3	45	0	0							
Mar-06	Sat	53.4	14:38	24.8	6:28	28.6	39.1	2.7	44	1	0							
Mar-07	Sun	49.8	14:16	25.0	6:23	24.8	37.4	-1.7	44	0	0							
Mar-08	Mon	58.4	14:44	23.2	6:34	35.2	40.8	3.4	43	0	0							
Mar-09	Tue	72.0	14:56	32.2	6:24	39.8	52.1	11.3	44	0	1							
Mar-10	Wed	77.3	13:33	36.7	6:37	40.6	57.0	4.9	45	0	0							
Mar-11	Thu	79.0	14:21	52.3	6:33	26.7	65.7	8.7	47	0	0							
Mar-12	Fri	72.0	10:19	55.8	22:41	16.2	63.9	-1.8	49	2	2	T	T	T			0610	0615
Mar-13	Sat	63.4	14:48	44.8	23:56	18.6	54.1	-9.8	49	1	2							
Mar-14	Sun	65.5	13:46	31.2	7:37	34.3	48.4	-5.7	49	0	2							
Mar-15	Mon	50.8	0:01	35.6	8:03	15.2	43.2	-5.2	49	0	2	0.05	0.03	0.01	T	None	2150	2400
Mar-16	Tue	43.3	13:42	35.7	3:02	7.6	39.5	-3.7	48	2	2	0.16	0.10	0.01	T	None	0001	0335
Mar-17	Wed	51.7	17:25	41.1	0:59	10.6	46.4	6.9	47	2	2							
Mar-18	Thu	56.2	17:22	48.0	6:48	8.2	52.1	5.7	48	2	2	1.01	0.37	0.03			0210	1015
Mar-19	Fri	52.4	0:01	34.6	22:55	17.8	43.5	-8.6	49	2	0	0.46	0.14	0.02	T	None	0001	0055
Mar-20	Sat	55.2	14:57	29.4	6:01	25.8	42.3	-1.2	48	0	0							
Mar-21	Sun	64.3	15:25	29.7	7:21	34.6	47.0	4.7	48	0	0							
Mar-22	Mon	67.3	15:36	34.4	5:32	32.9	50.9	3.8	48	0	0							
Mar-23	Tue	66.6	16:33	44.9	7:14	21.7	55.8	4.9	49	2	2	0.02	0.02	0.01			2150	1025
Mar-24	Wed	60.3	16:05	53.9	7:40	6.4	57.1	1.3	50	2	2	1.15	0.39	0.09			0001	1530
Mar-25	Thu	76.2	14:51	50.1	7:29	26.1	63.2	6.1	51	2	2	T	T	T			1605	1625
Mar-26	Fri	85.9	14:38	63.9	23:59	22.0	74.9	11.8	53	1	0	0.03	0.01	0.01			0105	0145
Mar-27	Sat	75.0	14:51	49.1	7:20	25.9	62.1	-12.9	55	0	2	0.02	0.02	0.01			1700	1810
Mar-28	Sun	76.5	16:11	53.0	23:57	23.5	64.8	2.7	56	2	2	0.38	0.26	0.09			0535	0840
Mar-29	Mon	63.5	14:59	39.5	7:14	24.0	51.5	-13.3	56	0	0							
Mar-30	Tue	71.8	17:32	42.0	1:32	29.8	56.9	5.4	55	0	0							
Mar-31	Wed	70.8	12:44	58.8	23:56	12.0	64.8	7.9	55	2	2	0.79	0.48	0.17			1210	1215
TOTAL NUMBER		1959		1226		733.6	1592.6	15.6	1501	25	30	4.42	1.94	0.49	T	0		Col. 26 - 27
AVERAGE		31	31	31	31	31	31	31	31	31	31	11	11	11	0	0		DAILY AVE RH
NORMALS		59.57		37.77		21.80	48.67		48.55	1.20	1.17	3.46	Ave. Max. 0.38	Ave. Max. 0.07	Ave. Tot. 2.9	Ave. Days 1.8		63.4 Percent
DEPARTURES		3.63		1.77		1.86	2.70		-0.13	-0.39	-0.21	0.97	0.10	0.10	-2.9	-1.8		-0.8 Percent
Max. Temps. >= 70°F	85.9	Ave.HighMax	63.9	Ave.HighMin	40.6	74.9	11.8	56	Whole Day	1.15	0.48	0.17	T	0.0	Precip	24 Hr.		
March 10	Mar-26	80.6	Mar-26	57.6	Mar-10	Mar-26	Mar-26	Mar-28	Ave. 0.89	Mar-24	Mar-31	Mar-31	Mar-15		Amount	1.17		
Ave. 7.2		Dep. 5.3		Dep. 6.3				Mar-29	Normal 1.19				Mar-16		Date	Mar-23		
Departure 2.8									Depart. -0.30				Mar-19		Date	Mar-24		
Min. Temps. <= 32°F	43.3	Ave.LowMax	23.2	Ave.LowMin	6.4	36.5	-13.3	43	SKY	AM	PM	>= 0.10	INCHES	>= 1.00	INCHES	>= 2.00	INCHES	
March 10	Mar-16	38.0	Mar-08	19.2	Mar-24	Mar-05	Mar-29	Mar-08	CLEAR	17	15	7	DAYS	2	DAYS	0	DAYS	
Ave. 11.6		Dep. 5.3		Dep. 4.0					P.C.L.O.	3	2	HOTTEST	74.9	Highest	Lowest	COOLEST	36.45	
Departure -1.6									C.L.O.	11	14	DAY	3-26	Mean	Mean	DAY	3-05	
Days Max. <=32 °F	0		MAX.	>=85	>=80	>=75	>=70	>=65	>=60	>=55	>=50	>=45	>=40	>=35	>=30	>=25	>=20	
Days Max. >=90°F	0		DAYS	1	1	6	10	13	19	23	28	30	31	31	31	31	31	

20		21		22		23		24		25		26		27		28		29		30		31		32		33		34		35		36		37		38						
March 2021	2nd PERIOD		WIND			REL. HUMIDITY		BAROMETRIC PRESSURE				GLAZE	SLEET	SNOW	FOG	☼	DEW	FROST																								
	START	END	RUN	MAX.	TIME	MAX.	MIN.	MAX.	MIN.	AVE.	CHANGE																															
Mar-01	1335	1410	66.0	18	13:48	99	51	30.09	29.73	29.91	-0.22																							P								
Mar-02			63.2	15	8:24	83	29	30.33	30.09	30.21	0.30																							2								
Mar-03			50.9	12	10:59	91	16	30.15	29.89	30.02	-0.19																								3							
Mar-04			103.1	26	20:03	81	29	30.02	29.85	29.94	-0.08																								1							
Mar-05			93.0	22	10:39	73	23	30.15	30.02	30.09	0.15																								1							
Mar-06			61.0	17	11:38	79	22	30.26	30.12	30.19	0.11																								2							
Mar-07			54.6	17	12:41	84	29	30.43	30.26	30.35	0.15																								3							
Mar-08			36.5	10	10:29	90	20	30.54	30.43	30.49	0.14																								3							
Mar-09			58.3	14	13:16	67	22	30.48	30.35	30.42	-0.07																								N							
Mar-10			64.6	19	14:49	76	15	30.45	30.33	30.39	-0.02																								1							
Mar-11			176.9	32	15:57	52	27	30.37	30.17	30.27	-0.12																								N							
Mar-12	1100	1105	94.4	18	1:24	85	49	30.23	30.12	30.18	-0.10																								N							
Mar-13			63.7	15	7:35	56	24	30.37	30.18	30.28	0.10																								N							
Mar-14			71.7	22	23:15	89	23	30.22	30.01	30.12	-0.16																								2							
Mar-15			108.9	25	1:21	82	19	30.43	30.22	30.33	0.21			1																					N							
Mar-16	1515	1620	56.8	10	17:17	96	81	30.35	30.10	30.23	-0.10			1																					P							
Mar-17			45.0	9	10:10	98	82	30.17	30.08	30.13	-0.10																								P							
Mar-18	1235	1405	67.1	21	23:55	99	96	30.09	29.58	29.84	-0.29																							1	P							
Mar-19	0230	1015	186.6	30	7:24	98	34	30.43	29.70	30.07	0.23																								P							
Mar-20			90.9	16	11:54	76	30	30.60	30.43	30.52	0.45																								N							
Mar-21			72.3	18	15:30	89	24	30.56	30.42	30.49	-0.02																								3							
Mar-22			92.8	17	13:42	87	44	30.42	30.22	30.32	-0.17																								2							
Mar-23	2300	2400	104.9	17	17:30	95	57	30.25	30.11	30.18	-0.14																								2							
Mar-24			54.7	13	13:32	99	95	30.13	29.94	30.04	-0.15																								P							
Mar-25	1715	1935	69.3	16	13:34	100	66	30.12	29.95	30.04	0.00																								3							
Mar-26	0220	0240	172.1	31	13:00	93	25	30.07	29.83	29.95	-0.09																								P							
Mar-27			72.5	17	18:03	88	42	30.22	30.04	30.13	0.18																								3							
Mar-28	1248	1425	127.0	35	13:08	99	64	30.03	29.58	29.81	-0.32																								1	P						
Mar-29			72.9	25	2:28	75	27	30.30	29.92	30.11	0.31																								N							
Mar-30			108.7	22	11:41	89	32	30.39	30.21	30.30	0.19																								3							
Mar-31	1250	1905	90.3	19	3:23	98	70	30.22	29.84	30.03	-0.27																								1							
TOTAL NUMBER	Column 23		2650.7	598		2666	1267	938.87	931.72	935.30		DAYS	0	2	1	4	2	9	7																							
	Mar. Wind Run		31	31	31	31	31	31	31	31	31	Normal	0.8	1.5	2.3	2.9	1.5	6.0	6.7																							
AVERAGE	Total	2650.7	85.5	19.3	12:20	86.0	40.9	30.29	30.06	30.17	Depart.	-0.8	0.5	-1.3	1.1	0.5	3.0	0.3																								
NORMALS	Miles	2319.6	74.8	20.8		85.7	42.4	30.19	29.94	30.07	Rating ▶	0	2	1	6	2	20	17																								
Departures	Miles	331.1	10.7	-1.5		0.3	-1.6	0.09	0.11	0.10	Intensity	GLAZE	SLEET	SNOW	FOG	☼	Dew	Frost																								
MAXIMUM DATES	Dates	186.6	35	South	100	96	30.60	30.43	30.52	0.45	GLAZE	SLEET	SNOW	FOG	☼	Dew	Frost																									
	1	Mar-19	Mar-28	13:08	Mar-25	Mar-18	Mar-20	Mar-08	Mar-20	Mar-20																																
	2							Mar-20																																		
	3																																									
Min. Temps. >= 70°F	Ave.	0									5. Very Heavy	4. Heavy-Unusual	3. Moderate - Ave.	2. Light - >= Ave.	1. Very Light - Slight - Trace	N- None No Dew Obs. P- Precip. prevent obs.																										
	Departure	-0.1																	Days Min. <=32 °F	10	MIN.	≤70	≤65	≤60	≤55	≤50	≤45	≤40	≤35	≤30	≤25	≤20	≤15	≤10	≤05	Days Min >=70°F	0	DAYS	31	31	30	28
Days Min. <=32 °F	10	MIN.	≤70	≤65	≤60	≤55	≤50	≤45	≤40	≤35	≤30	≤25	≤20	≤15	≤10	≤05																										
	Days Min >=70°F	0	DAYS	31	31	30	28	25	22	18	13	8	4	0	0	0																										

March
2021

REMARKS FOR THE MONTH

March - 2021

Mar-01	A RAINY AM AND A CLOUDY PM- A COLD FRONT PASSED AROUND 1400
Mar-02	FROZEN DEW -GRASS HAD VERY LITTLE FROST-VERY CLEAR AM-PM HAD CIRROSTRATUS CLOUDS & SUN THROUGH CIRROSTRATUS MOVING ACROSS SKY S TO N-
Mar-03	A CHILLY AM BUT A PLEASANT PM WITH A 33 DEGREE TEMP. RANGE AND A VERY LOW RH OF 16% AT1418 - VERY CLEAR DAY
Mar-04	A MILD VERY CLEAR DAY WITH LOW RH OF 29% AT 1334
Mar-05	A VERY CLEAR DRY DAY WITH LOW RH-MIN. RH 23% AT 1320
Mar-06	AM HAD SOME CIRRUS AND PM WAS VERY CLEAR AND A BREEZY DAY WITH LOW RH OF 22% AT 1545
Mar-07	A SUNNY BREEZY DAY WITH LOW RH OF 29% AT 1424
Mar-08	A SUNNY DAY WITH VERY LOW RH OF 20% AT 1520
Mar-09	WARMEST DAY SINCE DEC. 13, 2020 AND A 40 DEGREE TEMP. RANGE
Mar-10	WARMEST DAY SINCE NOV 10, 2020 WHEN IT WAS 78.9 °F
Mar-11	WARMEST DAY SINCE OCT. 24, 2020 WHEN IT WAS 84.3 °F
Mar-12	3RD PD. OF PRECIP. 1130-1135, 4TH PD. OF SPRINKLES 1245-1525
Mar-13	AM WAS PC AND PM WAS CLOUDY-MIN. RH WAS 24% AT 1345
Mar-14	AM MOSTLY CLEAR PM OVERCAST FROM 1415 TO SUNSET
Mar-15	WIND IN AM TO 25 MPH AND MOSTLY CLEAR SOME FIBROUS CIRRUS -PM BREEZY BUT DECREASING WIND-LOW HUMIDITY OF 39% AT 0540 AND PM OF 19% AT 1448
Mar-16	A CHILLY DAMP DAY WITH A TRACE OF SLEET FROM 001 TO A MAX. ACCUMULATION AT 1232
Mar-17	CLOUDY DAY WITH A TEMP. OF 8 DEGREES BELOW AVERAGE FOR MAX BUT NO RAIN SINCE MIDNIGHT
Mar-18	3RD PD. OF PRECIP. 1540-1700, 4TH PD. 1735-2120, 5TH PD. OF PRECIP. 2300-2400 -SHOWERY AND RAINY DAY-1ST THUNDER OF YEAR
Mar-19	SNOW MIXED WITH RAIN FOR 5 MINS. FROM 0959-1004-CLOUDY AM - CLEARING STARTED AT 1215 AND A CLEAR SKY BY 1330
Mar-20	LOW RH PREVENTED FROST-VERY SUNNY DAY BUT BELOW AVERAGE TEMPS. AND BREEZY
Mar-21	CLEAR ALL DAY WITH A LOW RH AND ALSO BREEZY-MAX. WIND GUST 18 MPH AT 1530
Mar-22	ON THE EDGE OF CLOUDS FROM A SE LOW PRESSURE IN AM AND A VERY CLEAR PM WITH BREEZY CONDITIONS
Mar-23	A CLOUDY DAY WITH MILD TEMPS.
Mar-24	A RAINY DAY WITH NEAR NORMAL TEMPS. - LOWEST RH WAS ONLY 95% AT 001
Mar-25	A SHORT PD. OF HEAVY SHALLOW FOG AT 0715-SOLID THIN OVERCAST WITH SOLAR ENERGY PASSING THROUGH TO NOON THEN THICKER CLOUDS IN PM
Mar-26	3RD PD. OF PRECIP. 0400-0445-AM WAS ABOUT 50-60% CLOUDY- WARMEST SINCE SEPT. 10, 2020 WHEN IT WAS 87.7 °F
Mar-27	VERY CLEAR TO NOON - CIRRUS CAME IN AT 1215-CLOUDY BY 1330-A SHOWER BY 1700
Mar-28	TS AT 0728 WITH ABOUT 6 THUNDERS-LIGHT AM FOG-MAX. WIND GUST OF 35 MPH FROM SOUTH-COLD FRONT PASSED AT 1915-3RD PD. OF PRECIP. 1910-2030 ONLY A TRACE
Mar-29	A VERY CLEAR DAY WITH BREEZY CONDITIONS AND LOW RH-MIN. RH WAS 27% AT 1527
Mar-30	A VERY CLEAR SKY UNTIL 1815 WHEN CIRRUS CAME IN AND CLOUDY BY 1900
Mar-31	A CLOUDY DAY WITH APPROACH OF COLD FRONT -RAIN STARTED AT 1210 AND ENDED AT 1905.

DATE

EXTENSION OF LENGTHY DAILY REMARKS

Mar-02	SKY ALMOST COMPLETELY COVERED BY 1545-PM EST. 60-70% COVERAGE
Mar-15	PM 70-75% CLOUDY- A TRACE OF SLEET BETWEEN 2150-2400
Mar-28	WITH COLD FRONT PASSAGE

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](#)

March 2021 - Springfield Park, Glen Allen, VA

March was a little warmer than average and above average precipitation. The mean temperature for March was 51.4°F which was a departure of 2.7°F.

March was the clearest March on record with 2012 coming in a close second. March 2nd to March 14th had no measurable precip. This is why the max. temp. departure was almost 2°F above the min. temp. departure for the month. The lack of clouds also gave March the highest average daily temp. range on record of 23.7°F.

March had two cool periods (5th-8th) & 15th-20th) (See Graph). Springfield Park had 10 days that the minimum temperature was less than or equal to 32°F. The average is 11.6 days. The 85.9°F on the 26th was the maximum temp. for March. The minimum temperature was 23.2°F on the 8th. The maximum daily temp. range for March was 40.6°F on the 10th which was the 3rd highest daily range on record for March. The average ground temperature at one foot for the month was 48.4°F which was only a -0.1° departure. The average relative humidity was 63.4% which was a negative 0.8% departure for March.

The 4.42 inches of precipitation for March was a 0.97-inch departure on the 12-year average and the 3rd wettest on record. The most precipitation in a one day was 1.15 inches on the 24th. There were 11 days with measurable precipitation which was average for March.

The maximum wind gust during March was 35 mph which occurred on the 28th at 1308 hours from the south, which ties for the lowest on record for March.

The highest barometer was 30.60 inches on the 20th which is near average for March. The lowest reading was only 29.58 inches on the 18th and 28th which was the 3rd highest minimum reading for Springfield Park on record but the average pressure for the month was the highest on record at Springfield Park at 30.17 inches of mercury. There were 2 traces of sleet in March on the 15th and 16th and 1 trace of snow on the 19th.

March 2021- Richmond International Airport

The average maximum temperature was 63.2°F which was 3.2°F higher than average. The average minimum was 39.1°F which was 2.0°F higher than average. The mean temperature for March was 51.2°F which was 2.6 °F above the thirty-year mean temperature. This was the 26th warmest March on record since 1897. March had 10 days that the high temperature was greater than or equal to 70°F. The highest temp. was 86°F on the 26th and the lowest temperature of 24 was on the 6th. This March had 10 days that the minimum temperature was equal to or less than 32°F.

The total precipitation for March was 3.89 inches which is a departure of -0.15 inches making it the 49th wettest March since 1887. March had 10 days with measurable precipitation and was the wettest since 2013 when 5.57 inches was recorded.

The Richmond International Airport had 2 daily records this March. The 86°F maximum temperature on 26th was a new high maximum record for the date in March; the previous record was 85°F in 1939. There have been 21 times since 1897 that March has had such a warm day; the record high maximum for the month of March is 94°F in 1907. The highest daily temperature range for March was 40°F on the 9th but the 2nd daily record occurred on the 10th with a 39°F daily temperature range; the previous record for the date was 38°F in 1930.

There were 2 traces of sleet in March on the 15th and 16th.

ACON - VA/NC/SC

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

March 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	MEAN MAXIMUM	63.21
B	MEAN MINIMUM	39.54
C	MEAN MONTHLY	51.37
C1	MEAN TEMP DEP.	2.70
D	MAXIMUM	86
E	DATE(s) OF MAX.	Mar-26
F	MINIMUM	23
G	DATE(s) OF MIN.	Mar-08
H	# DAYS MAX. > = 90°	0
I	# MAX. < = 32°	0
J	MIN. < = 32°	10
K	MIN. < = 0°	0
K1	AVE RELATIVE HUMIDITY	63.4

WIND MPH

L	MAX. GUST	35
M	DIRECT. OF GUST	South
N	DATE	Mar-28
	TIME	13:08

NUMBER DAYS WITH -

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

PRECIPITATION INCHES

T	MONTH TOTAL	4.42
U	CALENDAR DAY MAX.	1.15
U1	DATE OF MAX.	Mar-24
V	24-HR. PERIOD MAX.	1.17
V1	DATE(s) OF MAX. PD.	23 rd & 24 th
W	# DAYS > = 0.01"	11
X	# DAYS > = 1.00"	2
Y	YR. TO DATE TOT.	12.89
	MAX. 1 HR. PRECIP.	0.48
	MAX. 5 MIN PRECIP.	0.17

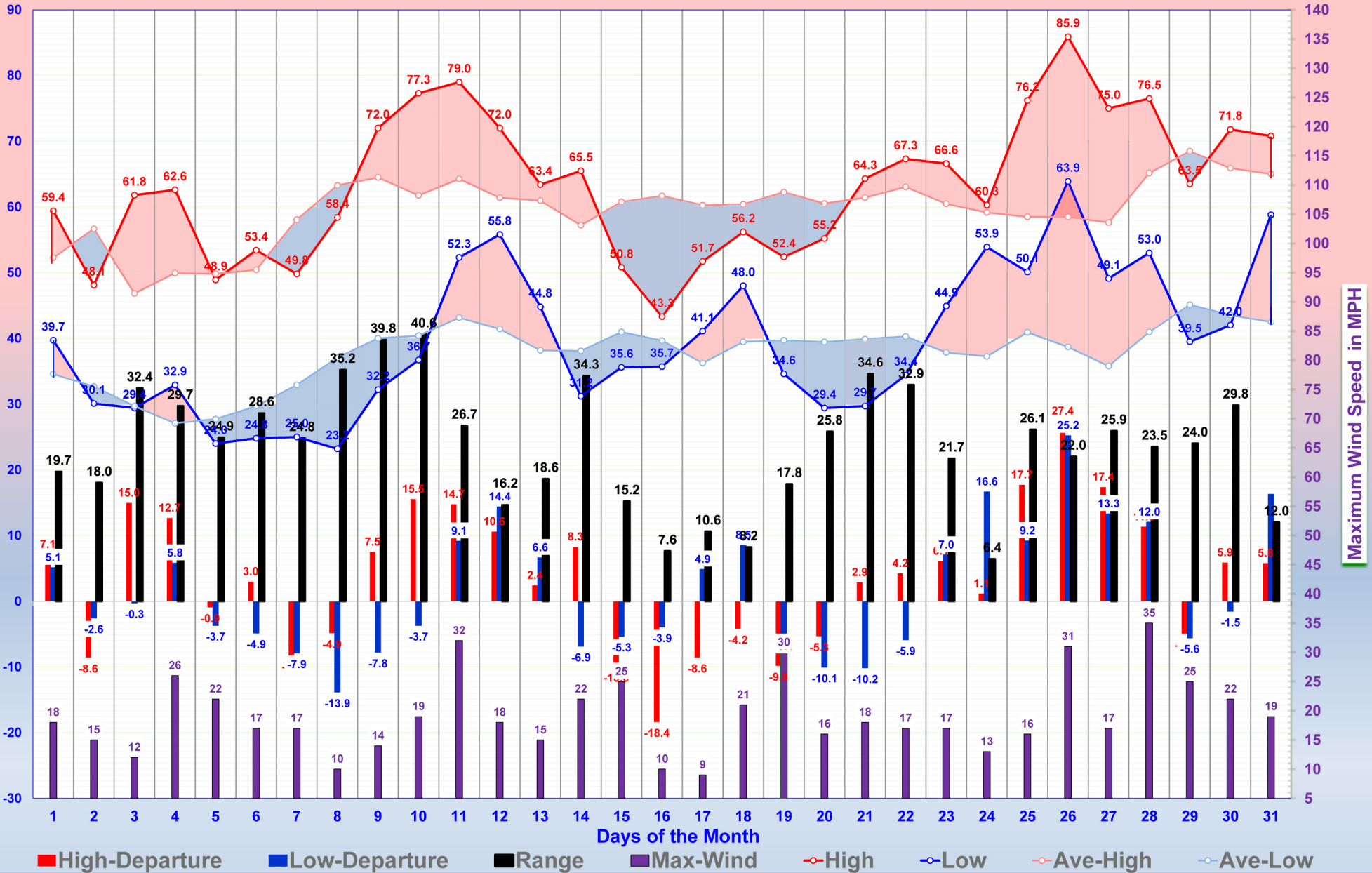
SNOWFALL INCHES

Z	DAILY MAXIMUM	T
1	DATE OF MAX.	Mar-16
2	DAYS= > TRACE	3
3	DAYS > = 1.0"	0
4	MONTHLY TOTAL	T
5	2020 - 2021 SEASON'S TOT.	11.7

BAROMETER

6	MAXIMUM	30.60
6A	DATE	Mar-20
7	MINIMUM	29.58
7A	DATE	18 th & 28 th
8	AVE. MONTHLY PRESSURE	30.17
CWA	NWS COUNTY WARNING AREA	Henrico

SPRINGFIELD PARK'S MARCH TEMPERATURE & WIND GRAPH



The Richmond International Airport MARCH TEMPERATURE GRAPH

