

#2	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	
Nov 2020	2nd PERIOD		WIND			REL. HUMIDITY		BAROMETRIC PRESSURE											
	START	END	RUN	MAX.	TIME	MAX.	MIN.	MAX.	MIN.	AVE.	CHANGE	GLAZE	SLEET	SNOW	FOG	DEW	FROST		
Nov-01	0830	1215	61.0	21	23:22	98	44	30.37	29.78	30.08	-0.35						3		
Nov-02			71.6	22	1:04	73	29	30.21	30.01	30.11	0.03						N		
Nov-03			63.1	15	12:32	90	33	30.32	30.14	30.23	0.12						N		
Nov-04			33.9	13	14:25	98	34	30.48	30.32	30.40	0.17						4		
Nov-05			31.9	14	13:00	98	43	30.47	30.34	30.41	0.01						4		
Nov-06			13.6	9	12:38	99	46	30.35	30.27	30.31	-0.09						4		
Nov-07			12.4	10	11:58	99	52	30.36	30.28	30.32	0.01						5		
Nov-08			16.5	8	13:53	100	59	30.41	30.32	30.37	0.05				2		5		
Nov-09			20.5	10	12:28	99	57	30.39	30.27	30.33	-0.04						4		
Nov-10			43.1	14	14:12	99	62	30.27	30.12	30.20	-0.13						4		
Nov-11	2015	2400	65.3	15	22:06	99	91	30.12	29.89	30.01	-0.19						1		
Nov-12	0550	0915	88.6	20	13:28	99	86	30.06	29.85	29.96	-0.05						P		
Nov-13	0240	0410	35.7	11	0:18	98	68	30.13	29.97	30.05	0.09						P		
Nov-14			23.6	11	14:25	100	43	30.25	30.13	30.19	0.14				1		5		
Nov-15			138.0	33	13:38	95	55	30.23	29.79	30.01	-0.18						2		
Nov-16			55.3	14	13:36	71	29	30.12	29.94	30.03	0.02						N		
Nov-17			85.4	23	17:05	86	33	30.39	30.03	30.21	0.18						2		
Nov-18			35.2	15	12:50	89	38	30.63	30.39	30.51	0.30							3	
Nov-19			74.0	21	13:29	96	39	30.68	30.47	30.58	0.07							5	
Nov-20			114.4	20	7:38	80	32	30.49	30.34	30.42	-0.16						N		
Nov-21			26.8	10	11:26	94	44	30.40	30.31	30.36	-0.06						3		
Nov-22			44.0	13	13:22	91	65	30.36	30.03	30.20	-0.16						2		
Nov-23	0600	0610	77.5	20	8:10	98	40	30.31	29.95	30.13	-0.07						P		
Nov-24			25.6	13	9:49	96	46	30.44	30.31	30.38	0.25							4	
Nov-25			72.8	16	23:13	92	69	30.39	30.11	30.25	-0.13						N		
Nov-26			82.4	19	12:48	97	55	30.11	29.98	30.05	-0.20						P		
Nov-27			38.2	14	10:45	85	53	30.11	29.98	30.05	0.00						2		
Nov-28			20.3	11	13:03	98	47	30.17	29.98	30.08	0.03						4		
Nov-29			47.2	14	10:46	93	50	30.23	29.95	30.09	0.01						3	2	
Nov-30	1110	1400	138.8	30	12:19	98	66	29.95	29.37	29.66	-0.43						P		
TOTAL NUMBER			1656.7	479		2808	1508	909.20	902.62	905.91	TOTAL	0	0	0	2	0	17	4	
	Mar. Wind Run		30	30	30	30	30	30	30	30	30	NORMAL	0.0	0.3	0.7	2.8	0.6	10.9	9.4
AVERAGE	Total		1656.7	55.2	16.0	12:47	93.60	50.27	30.31	30.09	30.20	DEPART.	0.0	-0.3	-0.7	-0.8	-0.6	6.1	-5.4
NORMALS	Miles		1534.6	51.2	17.02		92.2	49.0	30.24	30.02	30.13	Rating ▶ Intensity	0	0	0	3	0	57	14
Departures	Miles		122.1	4.1	-1.06		1.4	1.3	0.07	0.07	0.07		GLAZE	SLEET	SNOW	FOG		Dew	Frost
MAXIMUM DATES			138.8	33	SSW	100	91	30.68	30.47	30.58	0.30	5. Very Heavy 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- Precip. prevent obs.						
2020			1	Nov-30	Nov-15	13:38	Nov-08	Nov-11	Nov-19	Nov-19	Nov-18								
Ave.			0	1		Ave. Max.	71	29	29.95	29.37	29.66								
Departure			0.0	1	Nov-07	Nov-08	Dep.	Nov-16	Nov-02	Nov-30	Nov-30								
Days Min. <=32 °F			3	MIN.	<= 75	<= 70	<= 65	<= 60	<= 55	<= 50	<= 45	<= 40	<= 35	<= 30	<= 25	<= 20	<= 15		
Days Min >=70°F			0	DAYS	30	30	29	29	28	25	19	13	6	2	0	0	0		

Nov
2020

REMARKS FOR THE MONTH

November - 2020

Nov-01	RAIN MOST OF AM WITH A QUICK CLEARING AT 1300 FOR 15 MINS. THEN CLOUDS AGAIN FOR 30 MINS. THEN CLEARING AGAIN FOR REST OF PM
Nov-02	NO DEW BECAUSE OF NIGHT WIND-A VERY CLEAR DAY WITH A 29% MIN. REL. HUMIDITY
Nov-03	NO DEW BECAUSE OF NIGHT WIND-AM MAX. RH 74% THE 90% CAME AT MIDNIGHT
Nov-04	TRACE OF FROST ON ROOFS-NO CLOUDS SEEN TODAY BUT WARMER WITH A LOW RH-GREAT FALL AFTERNOON
Nov-05	CIRRUS CLOUDS CAME IN AT 0800 AND VERY THIN UNTIL 1535 THEN CLOUDY TO SUNSET
Nov-06	THIN CIRRUS FROM SUNRISE TO 1045 THEN VERY CLEAR AFTER 1145 TO SUNSET
Nov-07	WARM FOR NOV. WITH A VERY CLEAR SKY AND A LARGE TEMP. RANGE OF 32.6 °F
Nov-08	FOG LEVEL WAS ABOUT 30 FEET ABOVE GROUND LEVEL AND WAS THE HEAVIEST AT 0645-0650-FOG CLEARED BY 0710 AND SKY WAS VERY CLEAR TO 1345 THEN A FEW FAIR WEATHER
Nov-09	REC. HIGH MAX. AND MIN TEMPERATURES FOR 3RD DAY CONSECUTIVELY THE 7-9TH-CUMULUS FROM 1215-1415 OTHERWISE VERY CLEAR WITH DEEP BLUE SKY
Nov-10	ONLY A FEW CLOUDS TO 1100 THEN PC REST OF DAY-ANOTHER REC. MAX. AND MIN. TODAY THE HOTTEST ON REC. FOR THE DATE.
Nov-11	DEW ON GRASS ONLY MADE BE EXPLAINED BY GUTTATION THEN RAIN CAME IN FOR MOST OF REST OF DAY
Nov-12	3RD PD. OF PRECIP. 0955-1415, 4TH PD. 1510-1535
Nov-13	DRIZZLE OVERNIGHT GIVING 0.03 INCHES-CLEARING STARTED AT 1045 BUT AM WAS EST. AT 70% CLOUDY-PM HAD VARIABLE CLOUDINESS AND EST. 45-50% CLOUDY
Nov-14	CLEAR TO 1230 THEN INCREASING CLOUDS AND MOSTLY CLOUDY BY 1415
Nov-15	WINDY DAY WITH A 33 MPH GUST AT 1338 BUT ONLY A TRACE OF RAIN FROM A COLD FRONT THAT PASSED AT 2040
Nov-16	NO CLOUDS ALL DAY AND LOW RH OF 29% AT 1304 AND BREEZY-NO OVERNIGHT DEW
Nov-17	CLEAR AM - CLOUDS CAME IN AT 1115 & PM WAS MOSTLY CLOUDY WITH STRATOCUMULUS-ANOTHER DRY COLD FRONT PASSED GIVING WINDS TO 23 MPH AT 1705 & CLEARING AT SUNSET
Nov-18	FIRST KILLING FROST-COLDEST SINCE MARCH 8, 2020 WHEN IT WAS 25.4 °F -COLD FOR NOV. BUT SUNNY NO CLOUDS AND LOW RH OF 38% AT 1233
Nov-19	COLDEST SINCE MARCH 8, 2020 WHEN IT WAS 25.4 °F - HEAVY KILLING FROST ON BOTH 18TH AND 19TH-THIN CIRRUS FROM 0915-1400
Nov-20	AM REL. HUMIDITY 70% AND NO DEW-A WINDY DAY BUT MUCH WARMER AND VERY SUNNY-NO CLOUDS SEEN
Nov-21	SOME THIN AM CIRRUS BECAME THICKER IN PM AND CLOUDY AFTER 1540
Nov-22	THIN AM CIRRUS OVERCAST THAT INCREASED IN PM TO ALTOSTRATUS OVERCAST
Nov-23	QUICK AM CLEARING AFTER COLD FRONT PASSAGE AT 0910-AM 55% CLOUDY AND PM TOTALLY CLEAR
Nov-24	CLOUDS CAME IN AT 1230 AND LEFT AT 1430 AND RETURNED AT 1530
Nov-25	CLOUDY BREEZY DAY-NO DEW BECAUSE OF NIGHT WIND
Nov-26	CLEARING STARTED AT 1145 AND CLEAR BY NOON AND A VERY WARM THANKSGIVING
Nov-27	DEW ONLY ON GRASS - GUTTATION EXPECTED CAUSE-AM EST. 40% CLEAR AND PM EST. 5-10% CLOUDY
Nov-28	SCATTERED CUMULUS BUT NOT ENOUGH TO CALL THE DAY PC-STILL WARM
Nov-29	CIRRUS CAME IN AT 1115 BUT NOT MUCH COVERAGE UNTIL 1300 AND TOTALLY CLOUDY BY 1445 AS A LOW PRESSURE APPROACHING WILL PASS TO OUR WEST
Nov-30	OVERNIGHT RAIN FROM LOW PRESSURE PASSING TO OUR WEST WITH WINDS GUST TO 30 MPH AND THE TOTAL RAINFALL WAS 1.04 INCHES.

DATE

EXTENSION OF LENGTHY DAILY REMARKS

Nov-08	CUMULUS TO 1530 THEN SOME THIN CIRRUS AGAIN UNTIL DARK
Nov-11-12	The 24 Hour rainfall from 1255 on the 11th to 1255 on the 12th taken from the 5 min. observations of Virtual Weather software as 2.41 inches.

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](#)

Springfield Park, Glen Allen November 2020

This November's mean of 54.7°F, a departure of 6.1°F from the 12-year ave., was the warmest on record. The highest daily mean temp. was 70.4°F on the 11th which was the 3rd highest on record and had the highest dew point on record for November.

November was the 5th wettest on record (records since 2008) as the monthly precipitation was 4.35 inches, a 0.79 inches departure when compared with Springfield Park's 12-year average. Precipitation occurred on 9 days in November and the 2nd clearest on record; the previous record was 2010.

The highest maximum temperature for November was 78.9°F on the 10th which was the 4th warmest on record for November. This month also had 6 days equal to or warmer than 75°F which was a record for November. The average maximum temperature was 66.8°F with a departure of 7.0°F which was a new record maximum average for November. The ave. min. temp. was 42.5°F which was the 2nd highest on record for November. The lowest minimum was 26.3°F recorded on the 19th which was the 3rd highest for November. The highest minimum was 67.6°F which was a 9.7°F departure, a new record for November. There were only 3 days that the minimum temperature was less than or equal to 32°F which was -5.9 days less than average. The average ground temp. at 1 foot was 56.9°F a 3.0 °F departure and the highest on record for November. There was no snow recorded in November at Springfield Park. The maximum wind gust was only 33 mph from the SSW on the 15th. The lowest barometer was 29.36 inches on the 30th and was the 2nd lowest on record for November.

2020 AUTUMN SEASON SEP, OCT, NOV									
Winter Season Months	Mean Temp. °F	12 -YR Ave. °F	Temp. Dep. °F	Total Prec. Inches	12 -YR Ave. Inches	Prec. Dep. Inches	Total Snow Inches	12 -YR Ave. Inches	Snow Dep. Inches
SEP.	69.2	72.2	-3.0	5.62	3.81	1.81	0.0	0.0	0.0
OCT.	61.7	60.5	1.2	6.64	4.37	2.27	0.0	0.0	0.0
NOV.	54.7	48.6	6.1	4.35	3.56	0.79	0.0	0.0	0.0
SUM	185.6	181.3	4.3	16.61	11.73	4.88	0.0	0.0	0.0
AVE.	61.9	60.4	1.4	5.54	3.91	1.63	0.0	0.0	0.0

This autumn was 1.4°F warmer than ave. based on a 12-year ave. as both Oct & Nov were above ave. Glen Allen's 2020 average autumn temp. was 61.9°F the 2nd warmest autumn on record. Glen Allen had the 3rd wettest autumn with 16.61 inches of precipitation and a departure of 4.88 inches.

Richmond International Airport

The November mean temperature was 54.6°F which was the 4th warmest since 1880 with a departure from normal of 4.2°F. The years that were warmer were 1985,1902,1896.

The 4.43 inches of precipitation was a departure of 1.19 inches making this month the 25st wettest November of the past 133 years. November had only 7 days with measurable precipitation. The Airport's greatest daily precipitation was 1.48 inches on the 30th. There was no snow in November at the Airport.

The warmest day was November 10th with 78°F and the lowest temperature was 27°F on the 19th. The average maximum was 66.3°F which was a departure of 4.9°F and the 4th highest on record since 1897. The average min. was 42.9°F which was a departure of 3.5°F and the 7th highest on record since 1897. The warmest daily minimum was 62°F on the 11th and only 20 Novembers have been higher. The Airport had 12 days the maximum temp was 70°F or higher and only 3 days the minimum temp. was 32°F or less.

The Airport had 2 daily records for the month.

The minimum of 62°F on the 11th was the highest minimum on record for the date; the previous record was 59°F set in 1935.

The mean temperature for the same day was 68.5°F which was a new record for the date; the previous record was 68.0 also in 1935.

2020 AUTUMN SEASON SEP, OCT, NOV									
Winter Season Months	Mean Temp. °F	30 -YR Ave. °F	Temp. Dep. °F	Total Prec. Inches	30 -YR Ave. Inches	Prec. Dep. Inches	Total Snow Inches	30 -YR Ave. Inches	Snow Dep. Inches
SEP.	69.7	70.6	-0.9	6.92	4.13	2.79	0.0	0.0	0.0
OCT.	62.3	59.7	2.6	5.63	2.98	2.65	0.0	0.0	0.0
NOV.	54.6	50.4	4.2	4.43	3.24	1.19	0.0	0.2	-0.2
SUM	186.6	180.7	5.9	16.98	10.35	6.63	0.0	0.2	-0.2
AVE.	62.2	60.2	2.0	5.66	3.45	2.21	0.0	0.1	-0.1

Richmond's fall season was 2.0°F warmer than normal based on a 30-yr. average.

The fall season ave. of 62.2°F was the 12 warmest autumn since 1880.

The warmest autumn average was 65.8°F in 1881.

The fall precipitation was 10.35 inches, a departure of 6.63 inches, based on a 30-year average.

This was the wettest autumn since 2006 when 22.31 inches was recorded.

The year 2006 holds the record for the wettest autumn since precipitation records started in 1872.

ACON - VA/NC/SC

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

November 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	66.79
B	MEAN MINIMUM	42.53
C	MEAN MONTHLY	54.66
C1	MEAN TEMP DEP.	6.1
D	MAXIMUM	78.9
E	DATE(s) OF MAX.	Nov-10
F	MINIMUM	26.3
G	DATE(s) OF MIN.	Nov-19
H	# DAYS MAX. > = 90°	0
I	# MAX. < = 32°	0
J	MIN. < = 32°	3
K	MIN. < = 0°	0
K1	AVE RELATIVE HUMIDITY	71.9

WIND MPH

L	MAX. GUST	33
M	DIRECT. OF GUST	SSW
N	DATE	Nov-15
	TIME	13:38

NUMBER DAYS WITH -

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

PRECIPITATION INCHES

T	MONTH TOTAL	4.35
U	CALENDAR DAY MAX.	1.64
U1	DATE OF MAX.	Nov-12
V	24-HR. PERIOD MAX.	2.41
V1	DATE(s) OF MAX. PD.	11 th & 12 th
W	# DAYS > = 0.01"	9
X	# DAYS > = 1.00"	2
Y	YR. TO DATE TOT.	54.48
	MAX. 1 HR. PRECIP.	0.78
	MAX. 5 MIN PRECIP.	0.15

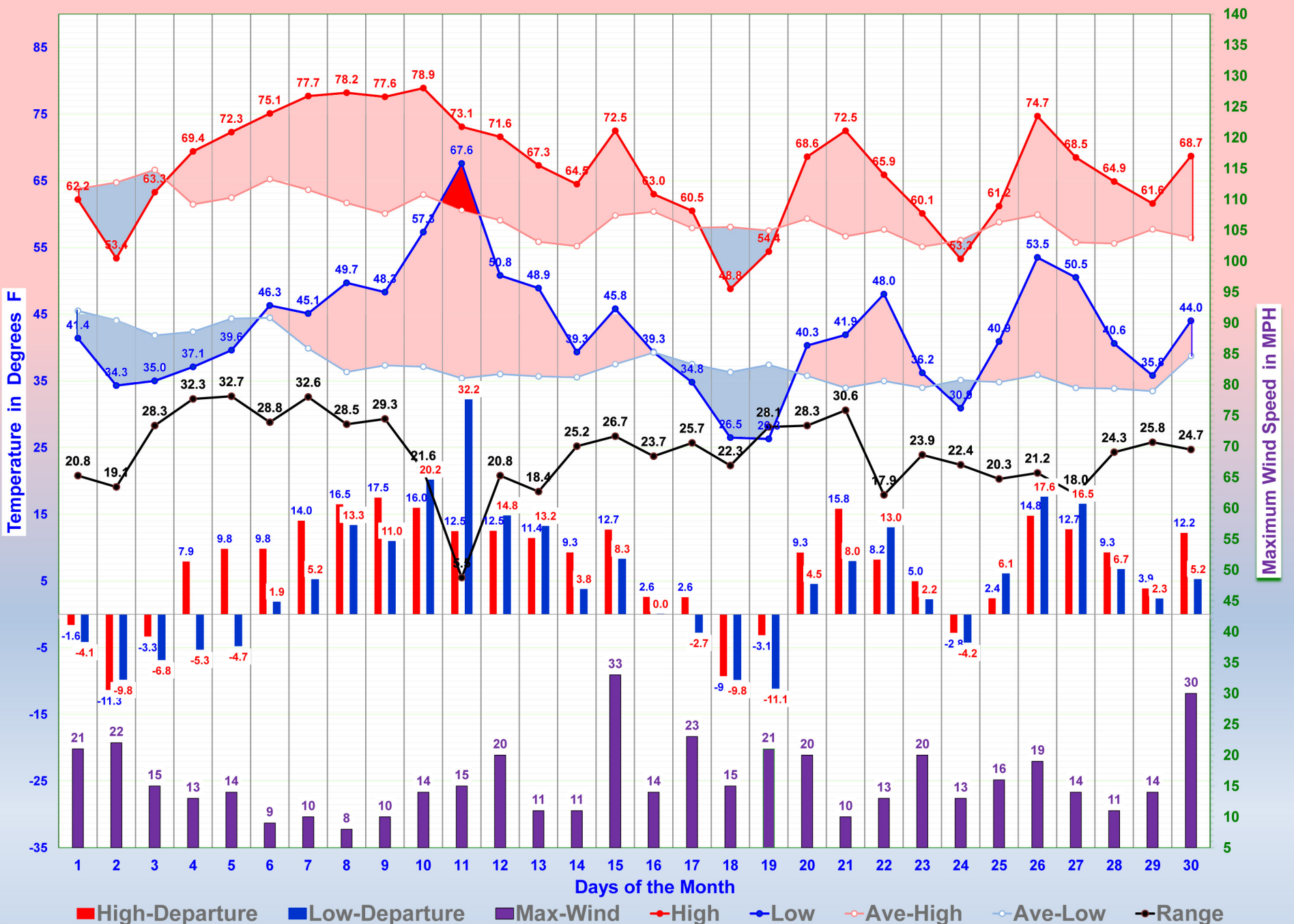
SNOWFALL INCHES

Z	DAILY MAXIMUM	0
1	DATE OF MAX.	
2	DAYS= > TRACE	0
3	DAYS > = 1.0"	0
4	MONTHLY TOTAL	0.0
5	2020- 2021 SEASON'S TOT.	0.0

BAROMETER

6	MAXIMUM	30.68
6A	DATE	Nov-19
7	MINIMUM	29.36
7A	DATE	Nov-30
8	AVE. MONTHLY PRESSURE	30.20
CWA	NWS COUNTY WARNING AREA	Henrico

SPRINGFIELD PARK'S NOVEMBER TEMPERATURE & WIND GRAPH



The Richmond International Airport NOVEMBER TEMPERATURE GRAPH

