

PAGE #1		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
Sep 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	
Sep-01	Wed	85.8	15:07	67.2	21:54	18.6	76.5	-3.0	80	2	2	0.70	0.38	0.12			1133	1250	
Sep-02	Thu	79.3	14:29	59.0	23:49	20.3	69.2	-7.3	79	0	0								
Sep-03	Fri	78.7	15:24	54.6	6:52	24.1	66.7	-2.5	77	0	0								
Sep-04	Sat	82.2	15:27	56.0	6:07	26.2	69.1	2.4	76	2	0								
Sep-05	Sun	87.1	14:26	67.3	2:45	19.8	77.2	8.1	76	1	1								
Sep-06	Mon	85.2	14:34	64.7	23:59	20.5	75.0	-2.2	76	2	0	0.13	0.11	0.02			0324	0825	
Sep-07	Tue	87.4	13:55	60.2	6:57	27.2	73.8	-1.1	76	0	1								
Sep-08	Wed	86.4	11:59	68.2	6:37	18.2	77.3	3.5	76	1	2	0.07	0.07	0.07			1336	1341	
Sep-09	Thu	75.0	16:18	63.2	23:58	11.8	69.1	-8.2	76	2	2	0.16	0.08	0.03			0440	0705	
Sep-10	Fri	78.6	14:33	55.6	7:09	23.0	67.1	-2.0	75	0	0								
Sep-11	Sat	81.0	14:23	55.0	4:59	26.0	68.0	0.9	74	1	1								
Sep-12	Sun	86.6	14:31	64.2	5:28	22.4	75.4	7.4	74	0	0								
Sep-13	Mon	92.3	14:26	65.6	6:50	26.7	79.0	3.5	74	0	0								
Sep-14	Tue	92.1	14:10	68.3	6:54	23.8	80.2	1.3	75	0	1								
Sep-15	Wed	89.9	14:53	69.3	6:52	20.6	79.6	-0.6	76	0	1								
Sep-16	Thu	85.6	13:58	70.8	19:52	14.8	78.2	-1.4	76	2	2	1.08	0.99	0.28			0608	0614	
Sep-17	Fri	81.8	15:24	71.0	0:01	10.8	76.4	-1.8	76	2	2	T	T	T			0315	0320	
Sep-18	Sat	86.6	15:18	68.2	4:31	18.4	77.4	1.0	75	2	1								
Sep-19	Sun	86.9	15:04	67.4	6:43	19.5	77.2	-0.3	76	0	0								
Sep-20	Mon	81.2	13:53	62.8	23:51	18.4	72.0	-5.2	76	0	1								
Sep-21	Tue	84.0	14:01	62.0	1:34	22.0	73.0	1.0	75	2	2								
Sep-22	Wed	83.8	14:33	71.4	16:30	12.4	77.6	4.6	75	2	2	0.71	0.39	0.06			0300	1055	
Sep-23	Thu	78.0	14:08	57.3	23:58	20.7	67.7	-9.9	75	1	0	0.69	0.58	0.03			0001	0020	
Sep-24	Fri	75.5	14:51	50.6	7:20	24.9	63.1	-4.6	74	0	0								
Sep-25	Sat	76.8	13:53	48.8	6:47	28.0	62.8	-0.3	72	0	1								
Sep-26	Sun	76.5	14:18	51.0	7:03	25.5	63.8	1.0	72	0	0								
Sep-27	Mon	80.9	14:27	50.6	6:20	30.3	65.8	2.0	71	0	0								
Sep-28	Tue	82.9	11:49	59.8	5:24	23.1	71.4	5.6	71	0	2	0.01	0.01	T			1400	1555	
Sep-29	Wed	75.4	14:15	54.7	23:58	20.7	65.1	-6.3	71	1	0								
Sep-30	Thu	78.5	13:44	49.7	7:07	28.8	64.1	-1.0	71	0	0								
TOTAL NUMBER		2482		1835		647.5	2158.3	-15.4	2246	23	24	3.55	2.61	0.61	0.0	0.0	Col.26-27		
AVERAGE		82.73	14:24	61.15	10:44	21.58	71.94		74.87	0.77	0.80	Ave. Tot.	Ave. Max	Ave. Max			75.5	Percent	
Normals		81.68		62.42		19.20	71.98		73.80	1.01	1.10	3.96	0.68	0.18			75.5	Percent	
Departures		1.05		-1.27		2.39	-0.04		1.06	-0.24	-0.30	-0.41	0.31	0.10			0.0	Percent	
Max. Temps. >= 70°F		92.3	Ave.High Max	71.4	Ave.High Min	30.3	80.2	8.1	80	Whole Day			1.08	0.99	0.28			Precip	24 Hr.
2021		30	Sep-13	93.7	Sep-22	73.2	Sep-27	Sep-14	Sep-05	Sep-01	Average	0.78	Sep-16	Sep-16	Sep-16		Amount	1.40	
Ave.		28.5	Dep.	-1.4	Dep.	-1.8					Normal	1.09					Date	09-22	
Departure		1.5									Depart	-0.30					Date	09-23	
Min. Temps. <= 32°F		75.0	Ave.Low Max	48.8	Ave.Low Min	10.8	62.8	-9.9	71	SKY		AM	PM	>= 0.10	INCHES	>= 1.00	INCHES	>= 2.00	INCHES
2021		0	Sep-09	66.8	Sep-25	48.9	Sep-17	Sep-25	Sep-23	Sep-27	CLEAR	16	14	6	DAYS	1	DAYS	0	DAYS
Ave.		0.0	Dep.	8.2	Dep.	-0.1				Sep-28	PT. CLO.	5	8	HOTTEST		80.2	Highest	Lowest	COOLEST
Departure		0.0								Sep-29	CLOUDY	9	8	DAY		9-14	Mean	Mean	DAY
Days Max. <=32 °F		0		MAX.	>=95	>=90	>=85	>=80	>=75	>=70	>=65	>=60	>=55	>=50					
Days Max. >=90°F		3		DAYS	0	3	12	20	30	30	30	30	30	30					

20		21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Sep 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		
Sep-01	1510	2140	100.0	22	10:14	96	75	29.78	29.52	29.65	-0.19					1	1		
Sep-02			104.6	18	8:49	93	44	30.05	29.73	29.89	0.24						P		
Sep-03			44.0	11	10:09	97	47	30.13	30.03	30.08	0.19						5		
Sep-04			35.0	12	14:18	98	54	30.11	29.96	30.04	-0.04						4		
Sep-05			105.2	16	7:20	82	56	29.97	29.83	29.90	-0.14						N		
Sep-06			34.2	15	13:01	96	39	29.98	29.85	29.92	0.02						P		
Sep-07			47.5	13	17:13	99	41	30.05	29.95	30.00	0.09						5		
Sep-08			97.5	31	13:38	96	67	29.98	29.79	29.89	-0.12					2	4		
Sep-09	0743	0915	54.3	15	6:22	97	77	29.91	29.77	29.84	-0.04					1	P		
Sep-10			47.8	20	11:31	99	46	30.14	29.91	30.03	0.18						5		
Sep-11			55.8	15	14:14	99	50	30.28	30.14	30.21	0.19						5		
Sep-12			100.5	17	17:13	85	53	30.23	30.11	30.17	-0.04						1		
Sep-13			41.0	11	0:31	94	47	30.14	30.05	30.10	-0.08						3		
Sep-14			41.4	12	16:11	98	55	30.08	29.97	30.03	-0.07						5		
Sep-15			94.6	18	13:37	95	54	30.04	29.94	29.99	-0.03						4		
Sep-16	0830	0910	59.1	16	15:28	98	75	30.16	30.02	30.09	0.10					1	3		
Sep-17	0800	0855	81.2	15	10:40	99	77	30.18	30.10	30.14	0.05						P		
Sep-18			20.6	10	14:14	99	63	30.16	30.03	30.10	-0.05						5		
Sep-19			45.4	12	18:36	99	63	30.21	30.09	30.15	0.05						5		
Sep-20			49.6	13	12:51	98	51	30.29	30.21	30.25	0.10						4		
Sep-21			62.5	16	15:49	97	60	30.28	30.15	30.22	-0.04						4		
Sep-22	1535	1725	120.6	34	15:53	98	69	30.15	29.82	29.99	-0.23						P		
Sep-23	0115	0540	57.6	20	1:41	98	51	30.02	29.76	29.89	-0.09					1	P		
Sep-24			25.0	10	11:01	99	45	30.14	30.02	30.08	0.19						5		
Sep-25			15.0	10	12:19	99	45	30.10	29.97	30.04	-0.04						5		
Sep-26			25.2	11	11:27	99	42	30.10	29.99	30.05	0.01						5		
Sep-27			56.8	17	15:10	98	43	30.12	29.98	30.05	0.00						4		
Sep-28	1900	2040	42.2	15	11:35	97	55	29.99	29.85	29.92	-0.13					1	3		
Sep-29			61.7	16	9:08	98	47	30.10	29.92	30.01	0.09						4		
Sep-30			21.0	10	14:00	99	42	30.22	30.10	30.16	0.15						4		
TOTAL NUMBER	Column 23		1746.9	471		2899	1633	903.09	898.56	900.83	TOTAL	0	0	0	0	6	23	0	
	Mar. Wind Run		30	30	30	30	30	30	30	30	NORMAL	0.0	0.0	0.0	3.1	2.7	19.0	0.0	
AVERAGE	Total	1746.9	58.23	15.7	12:08	96.63	54.43	30.10	29.95	30.03	DEPART.	0.0	0.0	0.0	-3.1	3.3	4.0	0.0	
Normals	Miles	1481.2	49.11	15.6		95.2	55.5	30.03	29.92	30.059	Rating ▶	0	0	0	0	7	93	0	
Departures	Miles	265.7	9.12	0.1		1.4	-1.1	0.08	0.03	-0.031	Intensity	GLAZE	SLEET	SNOW	FOG		Dew	Frost	
MAXIMUM DATES	Dates	120.6	34	SOUTH	99	77	30.29	30.21	30.25	0.24	GLAZE	SLEET	SNOW	FOG		Dew	Frost		
	1	Sep-22	Sep-22	15:53	Sep-07	Sep-09	Sep-20	Sep-20	Sep-20	Sep-02									
	2				Sep-10	Sep-17													
	3				Sep-11														
Min. Temps. >= 70°F	4			Ave. Max.	Sep-17						5. Very Heavy								
2021	3										4. Heavy-Unusual								
Ave.	5.0	Dates	15.0	10	25.7	82	39	29.78	29.52	29.65	-0.23	3. Moderate - Ave.							
Departure	-2.0	1	Sep-25	Sep-18	Dep.	Sep-05	Sep-06	Sep-01	Sep-01	Sep-01	Sep-22	2. Light - >= Ave.							
		2	Sep-24	8.3								1. Very Light - Slight - Trace							
Days Min. <=32 °F	0	MIN.	≤75	≤70	≤65	≤60	≤55	≤50	≤45	≤40	N- None No Dew Obs.								
Days Min >=70°F	3	DAYS	30	27	18	12	5	1	0	0	P- Precip. prevent obs.								

Sep
2021

REMARKS FOR THE MONTH

September - 2021

Sep-01	ONLY ONE THUNDER HEARD AT 1735-TS RATED 1-2-1-MOST OF RAINFALL OCCURRED BET. 1140-1205
Sep-02	NO CLOUDS SEEN TODAY AND FINALLY A DAY WITHOUT HUMIDITY-LOW DEW POINT TODAY WAS 52 degrees F AT 1233
Sep-03	A VERY CLEAR DAY WITH ONLY A FEW CLOUDS SEEN AT 1000-VERY DEEP BLUE SKY WITH A LOW DEW POINT OF 51 degrees F AT 0652
Sep-04	AM WAS MOSTLY CLOUDY AND NOT AS HUMID AS IT HAS BEEN BUT MORE HUMIDITY THAN YESTERDAY
Sep-05	CIRRUS AND ALTOCUMULUS IN AM AND PM WAS MOSTLY CLOUDY WITH CUMULUS AND CIRRUS-WARMER AND MORE HUMID
Sep-06	THE SKY STARTED TO CLEAR AT 1015 AND WAS CLEAR BY 1145 AND PM WAS VERY CLEAR
Sep-07	CLOUDS CAME IN AT 1230 AND WAS PC TO 1700 THEN CLEAR-PM EST. 30-35% CLOUDY
Sep-08	FIRST THUNDER HEARD AT 1324 AND TS RATED 2-4-1
Sep-09	ONLY ONE THUNDER AT 0636-TS RATED 1-1-1-3RD PD. OF SPRINKLES FROM 1055-1100
Sep-10	HEAVIEST DEW THAT I CAN REMEMBER DEFINITELY HEAVIER THAN ANY DEW THIS YEAR-DECK WAS WET WITH DEW-BREEZY MAX. 20 MPH WIND AT 1133-ONLY FEW PM CUMULUS
Sep-11	STILL BELOW AVERAGE TEMPS. WITH LOW RH OF 50% AT 1403 AND A SKY THAT AVERAGED PC
Sep-12	WARMER AND A VERY CLEAR DAY WITH STILL A LOW DEW POINT OF 69 degrees F AT 1351
Sep-13	A CLEAR DAY WITH SOME HAZE AND HOT FOR MID-SEPT.
Sep-14	HAZY HOT SEPT. DAY BUT PM WAS BREEZY WITH CUMULUS CLOUDS THAT CAME IN AROUND 1400
Sep-15	CIRRUS CLOUDS CAME IN AT 1215 AND CIRRUS AND CUMULUS AFTER 1245 GIVING A PC PM
Sep-16	TS HEAVIEST RAIN WAS FROM 1500-1725-TS RATED 2-2-4 PEAK WIND 16 MPH ABOUT 10 THUNDERS HEARD
Sep-17	EARLY AM DRIZZLE BET. 0800-0900-A CLOUDY AND COOLER DAY BUT HUMID
Sep-18	AM WAS MOSTLY CLOUDY AND PM WAS MOSTLY CLOUDY TO PC TO 1630 THEN IT WAS CLEAR TO SUNSET
Sep-19	MOSTLY CLEAR WITH SOME CUMULUS BET. NOON AND 1600-PM EST. 20-25% CLOUDY
Sep-20	AN EAST WIND GAVE US THE COOLEST DAY SINCE AUG. 11, 2021 AND AM WAS CLEAR AND PM WAS PC AS CUMULUS CAME IN AT 1430
Sep-21	A MOSTLY CLOUDY DAY WITH A BREEZY PM
Sep-22	A SLOW MOVING COLD FRONT APPROACHING-3RD PD. OF PRECIP. BET. 2215-2400
Sep-23	1ST THUNDER HEARD AT 0534 AND TS RATED 1-1-3-COLD FRONT PASSED AT 0335-SKY CLEARED AT 1020-AM WAS ABOUT 40-45% CLOUDY
Sep-24	A VERY CLEAR DAY WITH A DEEP BLUE SKY
Sep-25	LOWEST MIN. TEMP. SINCE MAY 31, 2021 WHEN IT WAS 47.8 degrees F -CIRRUS STARTED COMING IN AT 1100 AND PM WAS PC
Sep-26	VERY HEAVY DEWS FOR PAST 3 DAYS-ONLY A FEW CLOUDS SEEN TODAY AGAINST A DEEP BLUE SKY
Sep-27	BEAUTIFUL FIBROUS CIRRUS IN AM SKY AGAINST A DEEP BLUE SKY
Sep-28	CLOUDS CAME IN AT 1145 AND A COLD FRONT APPROACHING THE AREA-TS RATED 1-1-1
Sep-29	A COLD FRONT PASSED AT 0300-AM WAS PC AND PM WAS CLEAR WITH A MIN. DEW POINT OF 49 degrees F AT 1716
Sep-30	A VERY CLEAR DAY WITH ONLY A FEW CLOUDS SEEN AROUND NOON WITH LOW HUMIDITY.

DATE

EXTENSION OF LENGTHY DAILY REMARKS

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 2019](#)

September 2021 Springfield Park Glen Allen, VA

September with 3.55 inches of precipitation was the 7th wettest September on record in the past 13 years. The wettest September recorded 8.54 inches in 2018 and the driest Sep. had 0.17 inches in 2019. The greatest 24-hour rain was 1.40 inches on the 22nd & 23rd. Sept. had only 8 days with measurable precip; the average is 10 days.

The monthly mean temperature was 71.9 degrees F a 0 degrees F departure and the 7th warmest on record. The ave. maximum temp. was 82.7 degrees F a 1.0 degrees F departure. The ave. minimum was 61.2 degrees F which was a -1.3 degrees F departure. **The lowest max. temp. for the Sep. was 75 degrees F on the 9th and was the highest temp. ever recorded at this station for the lowest maximum temp. in the month of Sep.** The highest maximum was 92.3 degrees F on the 13th which was -1.4 degrees F below the 13-year average Sep. maximum temp. September's sky was the 3rd clearest on record in the past 13 years. The average temp. range was 21.6 degrees F which was a departure of +2.3 degrees F and the 2nd highest on record for September. This September had only 3 days with temps. greater than or equal to 90 degrees F; in 2019 it was 11 days.

The highest wind gust was 34 mph on the 22nd which is a new record for September for the past 13 years. There were 6 days with thunder which is the 2nd highest on record but none of the thunderstorms were severe.

Richmond International Airport

The Richmond International Airport had 5.79 inches of precipitation which was a departure of 1.18 inches and tied for 27th wettest since 1887. In 2019 the Airport had only 0.42 inches of precipitation for the month, one of the driest on record. The Airport had only 8 days with measurable precipitation. The Airport's max. daily precip. was 1.65 inches on the 16th.

The ave. mean temperature was 72.6 degrees F a departure of 1.4 degrees F and the 26th warmest since 1897. The lowest mean temp. for the month was 65.5 on the 24th and the 25th and only 3 Septembers since 1897 have been higher 1921, 2016, and 2002. The ave. maximum temp. was 83.1°F, a 1.9 degrees F departure, and the ave. minimum temp. was 62.2 degrees F which was a 1.1 degrees F departure. Sept. 2019 had 12 days with temperatures of greater than or equal to 90 degrees F and this year it was only 2 days. The ave. temperature range was 20.9 degrees F a departure of 0.3 degrees F. The Airport's highest temperature range for Sept. was only 30 degrees F on the 27th. The highest max. temperature was 92 degrees F on the 13th. **The lowest max. temp. for Sept. was 75 degrees F on the 9th and only 2 Septembers have had a higher reading in 1968 and 1954. The record was 78 degrees F in 1968.** The lowest minimum temperature was 51 degrees F on the 27th and the highest minimum was 71 degrees F on the 16th, 17th, and 22nd.

The Airport averages are for a 30-year period and smoothed out in a decreasing straight line on the graph. Springfield Park is just the average of the 13 past years and is not smooth, a difference you see in the two graphs. The Richmond Airport had no daily records for September.

ACON - VA/NC/SC

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

September 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	82.73
B	MEAN MINIMUM	61.15
C	MEAN MONTHLY	71.94
C1	MEAN TEMP DEP.	-0.04
D	MAXIMUM	92.3
E	DATE(s) OF MAX.	Sep-13
F	MINIMUM	48.8
G	DATE(s) OF MIN.	Sep-25
H	# DAYS MAX. > = 90°	3
I	# MAX. < = 32°	0
J	MIN. < = 32°	0
K	MIN. < = 0°	0
K1	AVE RELATIVE HUMIDITY	75.5

WIND MPH

L	MAX. GUST	34
M	DIRECT. OF GUST	SOUTH
N	DATE	Sep-22
	TIME	15:53

NUMBER DAYS WITH -

O	THUNDER	6
P	HAIL	0
Q	GLAZE	0
R	ICE PELLETS (SLEET)	0
R1	DENSE FOG < = 1/4 MILE	0

PRECIPITATION INCHES

T	MONTH TOTAL	3.55
U	CALENDAR DAY MAX.	1.08
U1	DATE OF MAX.	Sep-16
V	24-HR. PERIOD MAX.	1.40
V1	DATE(s) OF MAX. PD.	22 nd & 23 rd
W	# DAYS > = 0.01"	8
X	# DAYS > = 1.00"	1
Y	YR. TO DATE TOT.	38.51
	MAX. 1 HR. PRECIP.	0.99
	MAX. 5 MIN PRECIP.	0.28

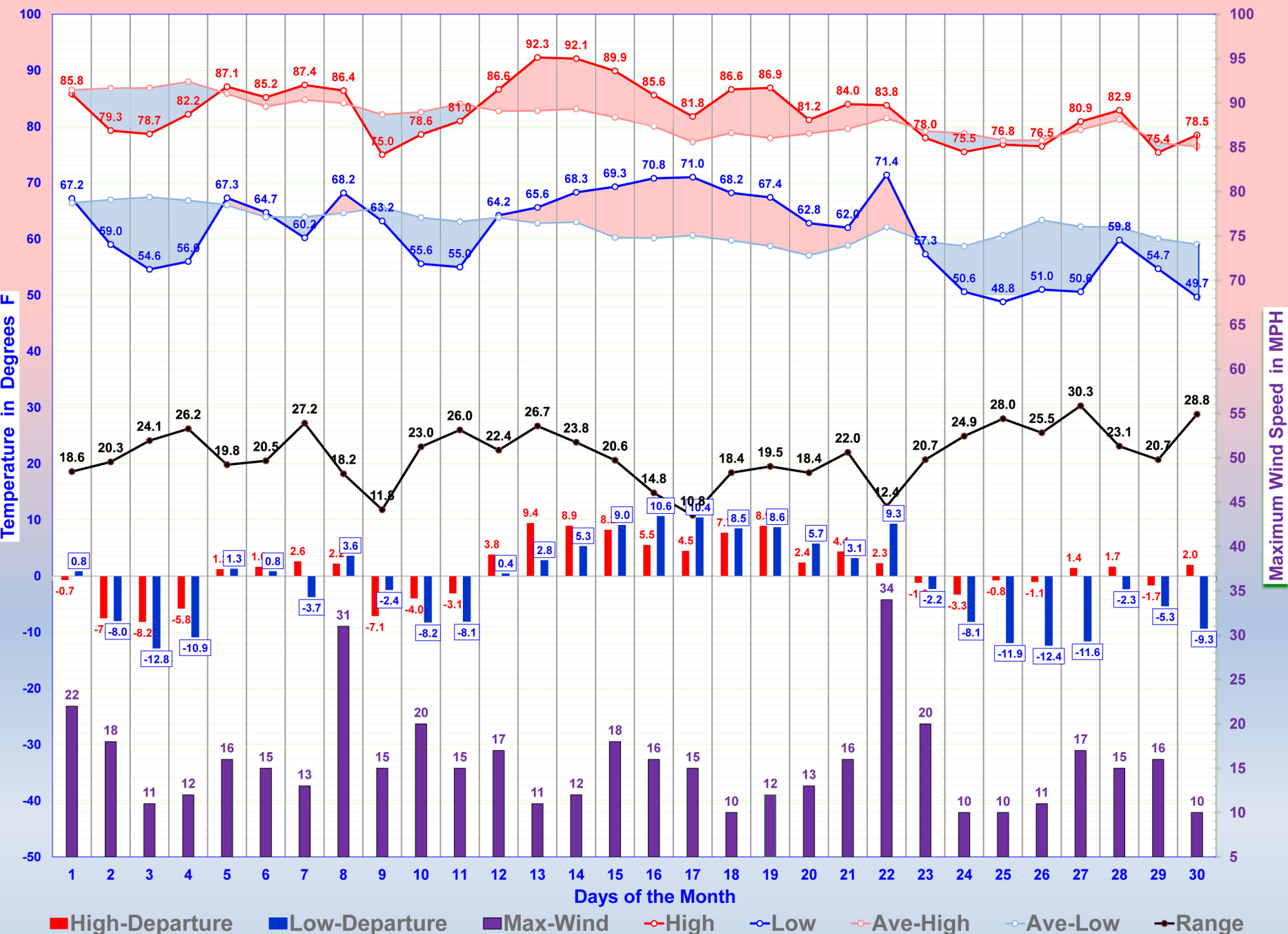
SNOWFALL INCHES

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	30.29
6A	DATE	Sep-20
7	MINIMUM	29.52
7A	DATE	Sep-01
8	AVE. MONTHLY PRESSURE	30.03
CWA	NWS COUNTY WARNING AREA	Henrico

SPRINGFIELD PARK'S SEPTEMBER TEMPERATURE & WIND GRAPH



The Richmond International Airport SEPTEMBER TEMPERATURE GRAPH

