

Aug 2022	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			29.7	15	16:49	98	67	30.05	29.89	29.97	0.16				1	P	
Aug-02			43.2	15	18:20	98	53	29.95	29.89	29.92	-0.05				5		
Aug-03			25.6	10	9:20	98	48	30.07	29.95	30.01	0.09				5		
Aug-04			57.9	18	16:05	94	53	30.14	30.04	30.09	0.08				3		
Aug-05			49.1	24	18:24	97	58	30.25	30.11	30.18	0.09				1	3	
Aug-06	1737	2000	41.2	37	17:28	98	68	30.29	30.18	30.24	0.05				1	P	
Aug-07			66.5	14	15:23	99	58	30.25	30.11	30.18	-0.05				5		
Aug-08			80.6	14	11:35	95	59	30.15	29.98	30.07	-0.12				3		
Aug-09			82.1	14	12:16	93	55	30.06	29.96	30.01	-0.05				3		
Aug-10			47.8	17	17:33	97	62	30.09	29.97	30.03	0.02				3		
Aug-11			29.1	13	14:11	98	66	30.05	29.93	29.99	-0.04					P	
Aug-12			65.2	16	16:26	98	49	30.09	29.96	30.03	0.03				4		
Aug-13			50.7	13	9:18	96	39	30.17	30.08	30.13	0.10				4		
Aug-14	2230	2400	37.0	13	14:56	92	43	30.10	29.99	30.05	-0.08				1		
Aug-15	0250	0305	23.6	10	11:36	97	77	30.04	29.95	30.00	-0.05					P	
Aug-16			64.2	15	15:05	98	45	30.01	29.96	29.99	-0.01				4		
Aug-17			48.1	13	14:15	97	54	30.05	29.97	30.01	0.02				4		
Aug-18			25.7	11	15:09	98	46	30.04	29.97	30.01	0.00				4		
Aug-19			46.2	16	14:37	97	52	30.13	30.03	30.08	0.07				4		
Aug-20			39.4	12	15:22	96	61	30.18	30.10	30.14	0.06				4		
Aug-21	1825	1915	42.2	13	16:14	97	82	30.14	29.98	30.06	-0.08				1	2	
Aug-22	2010	2020	63.7	15	18:17	98	65	29.99	29.82	29.91	-0.16				1	P	
Aug-23			25.8	11	10:41	99	50	29.97	29.85	29.91	0.00				5		
Aug-24			25.3	13	16:10	98	51	30.08	29.96	30.02	0.11				4		
Aug-25			30.7	10	23:49	97	49	30.09	30.02	30.06	0.04				4		
Aug-26			51.8	13	16:49	95	45	30.07	29.92	30.00	-0.06				4		
Aug-27			47.6	14	20:14	97	53	30.04	29.96	30.00	0.00				4		
Aug-28			30.9	15	15:20	98	53	30.13	30.04	30.09	0.09				4		
Aug-29			33.7	12	20:42	99	47	30.14	30.00	29.80	-0.29				4		
Aug-30	2015	2025	64.8	18	15:10	98	50	30.03	29.81	29.92	0.12				5		
Aug-31			25.9	14	15:17	99	43	29.96	29.87	29.92	-0.01					P	

TOTAL NUMBER	Column 23	1395.3	458		3009	1701	932.80	929.25	930.76	TOTAL	0	0	0	0	5	25	0	
AVE.	Mar. Wind Run	31	31	31	31	31	31	31	31	Normal	0.0	0.0	0.0	1.5	7.0	18.6	0.0	
NORMALS	Total	1395.3	45.0	14.8	15:34	97.06	54.87	30.09	29.98	30.02	Depart.	0.0	0.0	0.0	-1.5	-2.0	6.4	0.0

Departures	Miles	1236.8	44.6	30.4		95.1	52.7	30.06	29.94	30.00	Rating ▶	0	0	0	0	5	95	0
	Miles	158.5	0.4	-15.7		2.0	2.2	0.03	0.04	0.03	Intensity	GLAZE	SLEET	SNOW	FOG	☀	Dew	Frost

MAXIMUM DATES	Dates	82.1	37	SSW	99	82	30.29	30.18	30.24	0.16	GLAZE SLEET SNOW FOG ☀ Dew Frost
	1	Aug-09	Aug-06	17:28	Aug-07	Aug-21	Aug-06	Aug-06	Aug-06	Aug-01	
	2				Aug-23						
	3				Aug-29						
Min. Temps. >= 70°F	Dates	23.6	10	30.4	92	39	29.95	29.81	29.80	-0.29	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.
	1	Aug-15	Aug-03	Dep.	Aug-14	Aug-13	Aug-02	Aug-30	Aug-29	Aug-29	
Departure	-1.6	2	Aug-15	6.6							
Days Min. <=32 °F	0	≤ 75	≤ 70	≤ 65	≤ 60	≤ 55	≤ 50	≤ 45	≤ 40	≤ 35	
Days Min >=70°F	12	30	19	8	1	0	0	0	0	0	

Aug
2022

REMARKS FOR THE MONTH

August - 2022

Aug-01	TS RATED 3-1-2 -2 TS CELLS ONE PASSED TO W AND THE OTHER TO THE SW & MERGED AND MOVED OVER OUR STATION-A VERY HUMID DAY
Aug-02	HEAVY AM DEW AND A PM SPRINKLE FROM A STRAY PM SHOWER
Aug-03	A VERY SUNNY DAY WITH ONLY A FEW AM CIRRUS UNTIL 0950 & A VERY CLEAR PM WITH A LOWER DEW POINT
Aug-04	VERY LIGHT SPRINKLE BET. 1655-1710
Aug-05	TS RATED 3-3-4- AM WAS CLOUDY TO 1100 & STAYED MOSTLY CLEAR TO 1430 THEN CLOUDY AGAIN-1ST THUNDER HEARD AT 1511
Aug-06	TS RATED 2-4-2-1ST THUNDER HEARD AT 1726 & FIRST RAIN 1737-TS MOVED FROM S TO N GIVING A HIGH WIND GUST OF 37 MPH FROM S/SW AT 1728
Aug-07	AM CIRRUS TO 1030 THEN SCATTERED CUMULUS AFTER 1115-PM MOSTLY CLEAR 1415-1545 THEN PC WITH CUMULUS
Aug-08	A VERY CLEAR AM SKY UNTIL 1140 WHEN CUMULUS CLOUDS STARTED COMING IN & PM WAS ABOUT 35-45% CLOUDY WITH CUMULUS
Aug-09	VERY CLEAR DAY WITH CUMULUS ONLY BET. 1315-1645 & THEN ONLY 5% COVERAGE-STILL HIGH DEW POINT TEMPS.
Aug-10	1ST CLOUDS SEEN AT NOON & CLOUDY BY 1445 FOR REST OF DAY
Aug-11	CLOUDY OR MOSTLY CLOUDY TO 1710 THEN CLEARING & CLEAR BY 1800-COOLEST DAY SINCE JULY 31 WHEN IT WAS 79.6 degrees F
Aug-12	CLOUDY WITH A 10 MIN. SHOWER 0945-0955 WITH CLEARING STARTING AT NOON-PC TO 1530 AND CLEAR AFTER 1645
Aug-13	TODAY WAS A VERY CLEAR DAY WITH SOME SCATTERED CUMULUS AFTER 1500 & CIRRUS AFTER 1630
Aug-14	AM WAS CLOUDY UNTIL 1000 & WAS PC TO 1230 THEN IT BECAME SUNNY TO 1340 FOLLOWED BY CLOUDS AGAIN
Aug-15	3RD PD. OF RAIN 0715-1015, 4TH PD. 1120-1350-A CLOUDY DAY WITH THE LOWEST MAX. TEMP. FOR THE DATE IN THE PAST 13 YEARS
Aug-16	AM SKY WAS CLOUDY TO 1145 WHEN CLEARING STARTED. PM SKY WAS PC FROM NOON TO 1645 & THEN BECAME CLEAR FROM 1745 INTO NIGHT
Aug-17	MOSTLY CLEAR TO 0950 & AVERAGED CLEAR TO PC FROM 1715 THEN BECAME MOSTLY CLEAR - HIGHER RH TODAY BUT STILL GOOD FOR AUG.-
Aug-18	AM WAS VERY CLEAR ONLY CLOUDS WERE SCATTERED FAIR WEATHER CUMULUS FROM NOON TO 1730
Aug-19	AM AVERAGED PC WITH CIRRUS UNTIL 1215-PM HAD MAINLY CUMULUS FROM 1220-1800 THEN MOSTLY CLOUDY FOR REST OF DAY
Aug-20	AM WAS CLOUDY TO 0825 THEN AVERAGED PC TO NOON-PM AVERAGED 60-65% CLOUDY
Aug-21	TS RATED 1-1-2 - 1ST THUNDER HEARD AT 1136 WITH A MILD TS-THUNDER OCCURRED WITH FIRST RAIN PD. LISTED
Aug-22	TS RATED 1-1-1 CLOUDY TO 1045 THEN CLEARING STARTED & PC BY 1115 TO 1230 & CLEAR BY 1240-1400 THEN PC TO 1600
Aug-23	AM WAS VERY CLEAR WITH FIRST CUMULUS SEEN AT NOON THAT INCREASED TO 1515 THEN DECREASED TO CLEAR BY 1630
Aug-24	AM HAD CIRRUS TO 0945 THEN CLEARING WITH A FEW CIRRUS FROM 1000-1130 THEN CLEAR TO 1415 FOLLOWED BY CLOUDS 1430-1600 THEN CLEAR
Aug-25	AM HAD ALMOST A COMPLETE OVERCAST OF THIN CIRRUS THAT DIMMED SUNLIGHT & BY 1500 NOT ENOUGH SUN TO CAST SHADOWS
Aug-26	AM ALTOCUMULUS AND MID-LEVEL CLOUDS TO EAST UNTIL 1045 THEN CLEAR TO 1245 FOLLOWED BY SCATTERED CUMULUS TO 1345 THEN PC
Aug-27	AM HAD A FEW THIN CIRRUS CLOUDS BUT WAS CLEAR AFTER 1100. PM WAS CLEAR EXCEPT FOR A FEW SCATTERED CUMULUS
Aug-28	AM WAS VERY CLEAR THE FIRST CLOUDS WERE SEEN AT 1130-PM WAS PC WITH CUMULUS EST. AT 50-60%
Aug-29	AM WAS PC WITH CIRRUS UNTIL 0920 & CLEAR TO 1035 THEN SCATTERED CUMULUS TO 1340 & PM WAS CLEAR
Aug-30	AM WAS GENERALLY CLEAR ONLY A FEW SCATTERED CUMULUS
Aug-31	A VERY CLEAR AM SKY & A GENERALLY CLEAR PM WITH ONLY A FEW SCATTERED CUMULUS CLOUDS & LOWER RH AND A LITTLE LOWER TEMP.

DATE

EXTENSION OF LENGTHY DAILY REMARKS

Aug-01	MAX. DEW POINT 78 degrees F AT 1757
Aug-17	PM EST. 30% CLOUDY
Aug-26	WITH CUMULUS TO 1545 THEN MOSTLY CLEAR TO 1730 THEN CLOUDS AGAIN TO SUNSET
	THE MOST RAIN IN A 24-HOUR PERIOD WAS 1.19 INCHES FROM 5:30PM OF THE 5TH TO 5:30 PM OF THE 6TH.
	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 2022

August 2022 Springfield Park

August was a little above average in the first ten days and last ten days with a very cool period for mid-month (Aug-11th-20th). August was the 3rd driest and the 8th warmest in the past 14 years.

The 3.00 inches of rain for August was a -2.27-inch departure based on a 14-year average. The most rain in a 24-hour period was 1.19 inches from 5:30 pm of the 5th to 5:30 pm of the 6th. The maximum rainfall rate for one hour was 0.48 inches which was the 3rd lowest for the month of August.

The monthly mean temperature for August was 78.2 F which was a 0.3 F departure. The maximum temperature for August was 96.6 F on the 4th and the warmest night was 75.3 F on the 9th. August had 16 days of equal to or greater than 90 F heat which tied for 5th place. The lowest August minimum was 57.4 F on the 13th and there were 12 nights the temperature was equal to or greater than 70 F which tied for the 7th least on record for August. The average temperature range for August was only 20.6 F; the 14-year average is 19.5 F. August had an average relative humidity of 76% which was a departure of +2.1% and the 6th highest for August. The cool temps & lower humidity at mid-month lowered the monthly average.

The max. wind gust was 37 mph on the 6th from the SSW at 1728 from a local thunderstorm and was the 2nd highest on record for August. The record is 52 mph from tropical storm Irene in 2011. Springfield Park had twelve 14-year records or ties. August had 5 thunderstorms of which two were average and three were weak. The 14-year average is 6.2.

Summer 2022 Springfield Park, Henrico County, Virginia									
Summer Season Table	14Yr. Ave. Mean Temp.	Mean Temp. °F	Temp. Dep. °F	14Yr. Ave. Precip. Ave.	Total Precip. inches	Precip. Dep. inches	14Yr. Ave. Rel. Hum.	Rel. Hum. %	Rel. Dep. %
June	76.08	74.79	-1.29	4.85	3.70	-1.15	72.0	71.7	-0.3
July	80.25	80.23	-0.02	4.30	5.14	0.84	70.8	75.7	4.9
Aug.	77.97	78.23	0.26	5.27	3.00	-2.27	73.9	76.0	2.1
SUM AVE.	234.29 78.10	233.2 77.75	-1.05 -0.35	14.42 4.81	11.84 3.95	-2.58 -0.86	216.6 72.2	223.3 74.4	6.6 2.2

Springfield Park's 11.84 inches of precip. for the summer made 2022 the 5th driest summer on record.

Springfield Park's 77.7 mean for the summer made 2022 the 6th coolest summer on record.

The summer had 32 days with measurable precipitation which was the 6th least on record.

The average relative humidity of 74.4 % for the summer of 2022 was the 5th most humid summer.

The four summers that were more humid were 2018, 2013, 2020 and 2021.

Richmond International Airport

The Richmond International Airport's average mean temperature was 78.5 F a departure of +1.0 F and tied for the 24th hottest August since 1897 and tied for 28th warmest since 1880. The average maximum was 88.4 F, a +0.9 F departure, and the average minimum was 68.8 F which was a 1.2 F departure. August had 13 days with temperatures of equal to or greater than 90 F and 14 nights the low temperature was equal to or greater than 70 F. The average temperature range for August was only 18.3 F; 40 years have had a lower range for August since 1897. The highest daily temperature range for the month was 26 F on the 29th: only 19 Augusts have had a lower maximum monthly range since 1897. The highest monthly temperature was 97 F on the 9th. The lowest monthly maximum temperature was 71 F on the 15th. The lowest minimum temperature for August was 61 F on the 13th and 18th.

The Airport had 4.07 inches of precipitation, a departure of -0.83 inches which made August the 65th driest since 1887 with 11 days with measurable precipitation. The Airport had no records or ties for August.

Summer 2022 - Richmond Climate Report						
Summer Season Table	30Yr. Ave. Mean Temp.	Mean Temp. °F	Temp. Dep. °F	30Yr. Ave. Precip. Ave.	Total Precip. Inches	Precip. Dep. Inches
June	75.0	75.47	0.5	4.64	6.58	1.94
July	79.4	80.69	1.3	4.37	1.48	-2.89
Aug.	77.5	78.55	1.0	4.90	4.07	-0.83
SUM AVE.	231.90 77.3	234.7 78.2	2.8 0.9	13.91 4.64	12.13 4.04	-1.78 -0.59

The 12.13 inches precip. for the summer of 2022 makes it the 65th wettest summer since 1887.

The summer's average temp. of 78.3 F makes 2022 the 16th warmest summer since 1897 and the 18th warmest since 1880.

ACON - VA/NC/SC

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

August 2022

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	88.50
B	MEAN MINIMUM	67.95
C	MEAN MONTHLY	78.23
C1	MEAN TEMP DEP.	0.3
D	MAXIMUM	96.6
E	DATE(s) OF MAX.	Aug-04
F	MINIMUM	57.4
G	DATE(s) OF MIN.	Aug-13
H	# DAYS MAX. > = 90°	16
I	# MAX. < = 32°	0
J	MIN. < = 32°	0
K	MIN. > = 70 ° F	12
K1	AVE RELATIVE HUMIDITY	76.0

WIND MPH

L	MAX. GUST	37
M	DIRECT. OF GUST	SSW
N	DATE	Aug-06
	TIME	17:28

NUMBER DAYS WITH -

O	THUNDER	5
P	HAIL	0
Q	GLAZE	0
R	ICE PELLETS (SLEET)	0
R1	DENSE FOG < = 1/4 MILE	0

PRECIPITATION INCHES

T	MONTH TOTAL	3.00
U	CALENDAR DAY MAX.	0.98
U1	DATE OF MAX.	Aug-05
V	24-HR. PERIOD MAX.	1.19
V1	DATE(s) OF MAX. PD.	Aug 05 - 06
W	# DAYS > = 0.01"	11
X	# DAYS > = 1.00"	0
Y	YR. TO DATE TOT.	30.30
	MAX. 1 HR. PRECIP.	0.48
	MAX. 5 MIN PRECIP.	0.25

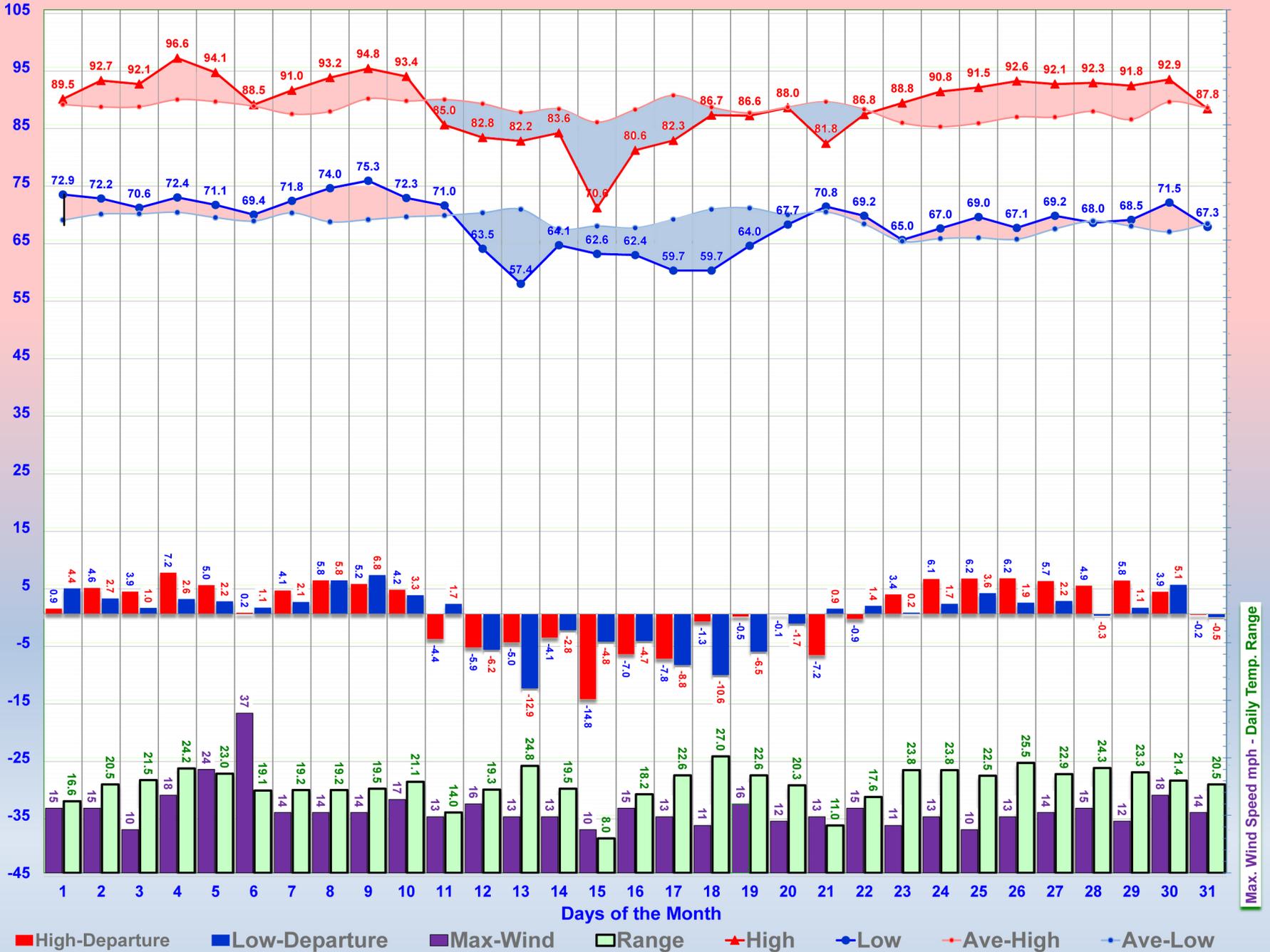
SNOWFALL INCHES

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	2021 - 2022 SEASON'S TOT.	10.1

BAROMETER

6	MAXIMUM	30.29
6A	DATE	Aug-06
7	MINIMUM	29.81
7A	DATE	Aug-30
8	AVE. MONTHLY PRESSURE	30.02
CWA	NWS COUNTY WARNING AREA	Henrico

SPRINGFIELD PARK'S AUGUST TEMPERATURE & WIND GRAPH



Max. Wind Speed mph - Daily Temp. Range

The Richmond International Airport AUGUST TEMPERATURE GRAPH

