

PAGE #1		Jun 2021 West Henrico Co. - Glen Allen Weather Center 37.65537° N. 77.56929° W. - Koontz																	
		TEMPERATURE °F				TEMPERATURE °F				SKY		PRECIPITATION			FROZ. PRECIP.		1st PERIOD		
Jun 2021	Week Day	MAX.	Time	MIN.	Time	RANGE	MEAN	CHANGE	SOIL	AM	PM	Liquid	1 Hr.	5 Min.	NEW	GROUND	START	END	
Jun-01	Tue	79.4	13:34	53.5	2:50	25.9	66.5	4.7	67	1	2								
Jun-02	Wed	82.6	14:33	61.7	5:16	20.9	72.2	5.7	68	2	2	0.19	0.15	0.03			1930	2210	
Jun-03	Thu	82.6	15:43	68.3	0:44	14.3	75.5	3.3	69	2	2	T	T	T			2120	2125	
Jun-04	Fri	85.0	14:20	69.6	8:25	15.4	77.3	1.9	70	2	1	0.55	0.45	0.13			0355	0810	
Jun-05	Sat	91.2	17:08	63.7	5:58	27.5	77.5	0.2	71	0	0								
Jun-06	Sun	93.7	14:41	68.0	6:01	25.7	80.9	3.4	73	0	0								
Jun-07	Mon	90.0	16:37	72.2	6:08	17.8	81.1	0.3	74	2	1								
Jun-08	Tue	90.2	16:26	73.0	5:31	17.2	81.6	0.5	75	2	2								
Jun-09	Wed	89.7	15:07	71.9	17:31	17.8	80.8	-0.8	76	2	2	0.25	0.22	0.03			1610	1845	
Jun-10	Thu	87.6	15:25	71.3	5:42	16.3	79.5	-1.4	76	2	2	1.21	1.13	0.16			1735	1815	
Jun-11	Fri	81.9	13:28	69.8	23:58	12.1	75.9	-3.6	76	2	2	0.95	0.50	0.28			0001	0335	
Jun-12	Sat	70.8	17:56	65.7	7:46	5.1	68.3	-7.6	75	2	2	0.08	0.05	0.01			0001	0100	
Jun-13	Sun	86.2	17:18	64.3	5:57	21.9	75.3	7.0	73	2	1	T	T	T			2100	2130	
Jun-14	Mon	90.3	16:52	65.6	5:58	24.7	78.0	2.7	75	0	1								
Jun-15	Tue	82.6	16:31	64.6	23:43	18.0	73.6	-4.3	76	0	0	0.17	0.16	0.08			0308	0555	
Jun-16	Wed	81.6	16:43	62.2	6:19	19.4	71.9	-1.7	76	0	0								
Jun-17	Thu	79.7	16:26	56.0	6:15	23.7	67.9	-4.1	75	0	0								
Jun-18	Fri	88.1	15:44	53.4	5:43	34.7	70.8	2.9	74	0	1								
Jun-19	Sat	92.3	15:28	72.5	6:39	19.8	82.4	11.7	75	1	2								
Jun-20	Sun	88.6	13:36	74.0	5:23	14.6	81.3	-1.1	74	2	2								
Jun-21	Mon	94.1	16:34	74.1	6:13	20.0	84.1	2.8	76	1	2								
Jun-22	Tue	83.3	0:01	61.0	23:50	22.3	72.2	-12.0	78	2	2	0.40	0.30				0935	1045	
Jun-23	Wed	77.2	17:34	58.9	23:55	18.3	68.1	-4.1	75	2	1								
Jun-24	Thu	78.7	16:57	53.7	5:15	25.0	66.2	-1.8	73	0	1								
Jun-25	Fri	84.3	15:31	57.2	5:41	27.1	70.8	4.6	73	0	2								
Jun-26	Sat	88.9	17:30	70.1	2:19	18.8	79.5	8.8	74	0	2	0.21	0.17	0.11			0340	0415	
Jun-27	Sun	90.9	16:07	72.6	3:13	18.3	81.8	2.3	75	2	1								
Jun-28	Mon	92.6	14:36	72.4	5:56	20.2	82.5	0.8	76	0	1								
Jun-29	Tue	92.5	16:51	72.7	6:18	19.8	82.6	0.1	77	0	1								
Jun-30	Wed	96.3	17:18	73.1	4:17	23.2	84.7	2.1	77	0	0								
TOTAL		2593		1987		605.8	2290.0	23.0	2222	31	38	4.01	3.13	0.83	0.0	0.0	Col.26-27		
NUMBER		30	30	30	30	30	30	30	30	30	30	9	9	8	0	0	DAILY AVE RH		
AVERAGE		86.43	15:25	66.24	8:17	20.19	76.33		74.07	1.03	1.27	Ave. Tot.	Ave.Max	Ave.Max			74.4	Percent	
NORMALS		86.17		65.72		20.45	76.06		74.81	0.94	1.09	4.92	1.33	0.36	0.0	0.0	71.8	Percent	
DEPARTURES		0.26		0.52		-0.26	0.28		-0.74	0.09	0.18	-0.91	-0.20	-0.08			2.6	Percent	
MaxTemps. >= 70°F		96.3	Ave.HighMax	74.1	Ave.High Min	34.7	84.7	11.7	78.0	Whole Day		1.21	1.13	0.28			Precip	24 Hr.	
2021 30		Jun-30	96.1	Jun-21	74.2	Jun-18	Jun-30	Jun-19	Jun-22	AVE.	1.15	Jun-10	Jun-10	Jun-11			Amount	2.13	
Ave. 29.3			Dep.		Dep.					Normal	1.01						Date	Jun-10	
Departure 0.8			0.2		-0.1					Depart.	0.14						Date	Jun-11	
Min. Temps. >70°F		70.8	Ave.LowMax	53.4	Ave.LowMin	5.1	66.2	-12.0	67.0	SKY		AM	PM	≥ 0.10	INCHES	≥ 1.00	INCHES	≥ 2.00	INCHES
2021 12		Jun-12	71.5	Jun-18	53.8	Jun-12	Jun-24	Jun-22	Jun-01	CLEAR	13	6		8	DAYS	1	DAYS	0	DAYS
Ave. 8.7			Dep.		Dep.					PT.CLO.	3	10							
Departure 3.3			-0.7		-0.4					CLOUDY	14	14							
Days Max. <=32 °F		0		MAX. ≥ 95		≥ 90	≥ 85	≥ 80	≥ 75	≥ 70	≥ 65	≥ 60	≥ 55	≥ 50	≥ 45	≥ 40			
Days Max. >=90°F		12		DAYS 1		12	18	26	29	30	30	30	30	30	30	30			

Jun 2021	REMARKS FOR THE MONTH June - 2021
---------------------	--

Jun-01	HEAVY MORNING DEW WITH INCREASING CLOUDS DURING DAY AND WARMER TEMPS.
Jun-02	BROKEN OVERCAST AT TIMES BUT GENERALLY A CLOUDY DAY
Jun-03	CLOUDY MOST OF DAY AND BREEZY WITH A MAX. GUST OF 23 MPH AT 1718 AND SLIGHTEST OF SPRINKLE TRACES
Jun-04	EARLY AM SHOWERS AND CLEARING AROUND NOON-PM WAS MOSTLY CLEAR FROM NOON TO 1245 THEN PC TO 1415-1440-CLOUDY AND RAIN 1610 AND QUICK CLEARING AT 1645 TO DARK
Jun-05	A CLEAR HOT DAY WITH ONLY A FAIR WEATHER CUMULUS BETWEEN 1315-1500-MAX. DEW POINT 72 °F AT 1326
Jun-06	HOT AND CLEAR WITH A HIGH DEW POINT OF 73.8 °F AT 1037 AND A FEW SCATTERED CUMULUS FROM 1215-1900
Jun-07	A BREEZY BUT HOT DAY WITH A 90 °F MAX AND A HIGH DEW POINT OF 76 °F AT 1427
Jun-08	NO DEW BECAUSE OF NIGHT BREEZE-ANOTHER HOT AND HUMID DAY BUT MORE CLOUDS TODAY-BROKEN OVERCAST 1430-1800
Jun-09	TS 2-3-2 SOME SUN THROUGH CLOUDS MAINLY 1100-1500-HUMID DAY HEAVY RAIN OVER RICHMOND - COUNTED 15-20 THUNDERS ONLY ONE CLOSE WITHIN 1/2 MILE AT 1653
Jun-10	TS 1-1-1 THUNDER AT 2103-A CLOUDY DAY WITH ONLY A TRACE OF RAIN FROM 1735-1815-1.21 INCHES OF RAIN FELL FROM 2050-2400 HEAVIEST AT 2145-2200
Jun-11	TS 1-1-2 - 2 LOUD THUNDERS AT 0040-3RD HEAVY INTENSITY RAIN FROM 1355-1455-4TH SPRINKLES AND DRIZZLE FROM 1700-2400
Jun-12	A COOL CLOUDY DAMP DAY FOR NEAR MIDDLE OF JUNE
Jun-13	AM HAD MANY CUMULUS WITH BLUE SKY BETWEEN CUMULUS AND A THIN CIRRUS VEIL OF CLOUDS
Jun-14	TODAY WAS HOT AND A LITTLE HUMID-CUMULUS CAME IN AT 1115 AND PM WAS PC WITH CUMULUS
Jun-15	TS 1-2-2 DISTANT THUNDER AT 0254 CLOSE THUNDER AT 0317 WITH 8 THUNDERS EST. TOTAL - A FEW CUMULUS CAME IN AT NOON AND DISSIPATED AT 1730
Jun-16	VERY CLEAR AM BUT SOME CUMULUS STARTED COMING IN AT 1100 AND SCATTERED CUMULUS UNTIL 1445
Jun-17	VERY CLEAR DAY EXCEPT A FEW CIRRUS AFTER 1800 ONLY VERY LOW RH OF 28% AT 1601
Jun-18	VERY CLEAR AM BUT THIN CIRRUS CLOUDS CAME IN AT 1440-RH STILL LOW WITH MIN. OF 40% AT 1613
Jun-19	HOT AND HUMID DAY WITH SOME AM CIRRUS AND PM WAS MOSTLY CLOUDY WITH CUMULUS
Jun-20	THICK CIRROSTRATUS THAT BURNED OFF BY 1330 THEN CUMULUS THAT BECAME THICKER IN PM
Jun-21	CLAUDETTE PASSED TO OUR SOUTH IN NORTHERN NC LAST NIGHT-HOT AND HUMID DAY-AM PARTLY CLOUDY WITH CUMULUS AND PM WAS CLOUDY
Jun-22	AM HAD MAINLY CUMULUS WITH SOME CIRRUS THEN PM WAS CLOUDY WITH RAIN FROM COLD FRONTAL PASSAGE AT 1100
Jun-23	AM WAS CLOUDY WITH MUCH LOWER TEMPS. - PM HAD A FEW FIBROUS CIRRUS
Jun-24	A CLEAR AM UNTIL 1130 THEN CUMULUS AND PC TO 1515 THEN CLEAR TO DARK
Jun-25	SOME EARLY CIRRUS THEN CUMULUS AFTER 1000 WITH SOME CIRRUS-PM WAS CLOUDY WITH CIRRUS AND CUMULUS AND VERY CLOUDY AFTER 1900
Jun-26	0.04 INCHES OF RAIN FELL BETWEEN 0340-0715 THEN 0.17 INCHES FELL BET. 1835-1920 FOR A TOTAL OF 0.21 INCHES FOR DAY
Jun-27	A HOT AND MODERATELY HUMID DAY WITH A RATHER CLOUDY AM AND A PC PM-MAJOR HEAT WAVE IN NW US
Jun-28	AM WAS CLEAR AND CUMULUS CAME IN AT NOON AND PM WAS PC- EST. 35% CLOUDY WITH CUMULUS
Jun-29	TODAY HAD A CLEAR AM AND A PM WITH SOME SCATTERED CUMULUS EST. AT 35% CLOUDY
Jun-30	A VERY HOT AND HUMID DAY-THE MAX DEW POINT WAS -77°F AT 1427- THE AM WAS CLEAR AND THE PM WAS 20 TO 25 % CLOUDY WITH CUMULUS.

DATE

EXTENSION OF LENGTHY DAILY REMARKS

DEW AMOUNTS ARE ESTIMATED FOR JUNE 20, 21, 22, 24, 25 BECAUSE OF A VACATION PERIOD.

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 2021](#)

Jun
2021

The Glen Allen Station had 22 Records or Record Ties in June 2021

1

2

3

4

The daily precipitation on the 4th was 0.55 inches, a new 12-year HIGH daily precipitation record for the date - the old record was 0.43 inches in 2015.

5

The daily temperature range on the 5th was 27.5&deg;F, a new 12-year HIGH daily temperature range record for the date - the old record was 24.7&deg;F in 2018.

6

The daily temperature range on the 6th was 25.7&deg;F, a new 12-year HIGH daily temperature range record for the date - the old record was 25&deg;F in 2014.

7

The maximum temperature on the 6th was 93.7&deg;F, a new 12-year daily HIGH maximum temperature record for the date - the old record was 92&deg;F in 2020 and 2010.

8

The maximum temperature on the 7th was 90&deg;F, a new 12-year daily HIGH maximum temperature record for the date - the old record was 88.3&deg;F in 2016.

9

The minimum temperature on the 7th was 72.2&deg;F, a new 12-year warm daily minimum temperature record for the date - the old record was 68.4&deg;F in 2019.

10

The minimum temperature on the 8th was 73&deg;F, a new 12-year warm daily minimum temperature record for the date - the old record was 67.7&deg;F in 2019.

11

12

The daily precipitation on the 10th was 1.21 inches, a new 12-year HIGH daily precipitation record for the date - the old record was 0.56 inches in 2018.

13

14

15

16

17

18

The maximum temperature on the 12th was 70.8&deg;F, a new 12-year cool daily maximum temperature record for the date - the old record was 75.7&deg;F in 2018.

19

The daily temperature range on the 12th was 5.1&deg;F, a new 12-year LOW daily temperature range record for the date - the old record was 12&deg;F in 2014 and 2012.

20

21

22

The minimum temperature on the 18th was 53.4&deg;F, a new 12-year LOW daily minimum temperature record for the date - the old record was 59.3&deg;F in 2016.

23

The daily temperature range on the 18th was 34.7&deg;F, a new 12-year HIGH daily temperature range record for the date - the old record was 25&deg;F in 2011.

24

The minimum temperature on the 20th was 74&deg;F, a new 12-year warm daily minimum temperature record for the date - the old record was 73.9&deg;F in 2019.

25

The minimum temperature on the 21st was 74.1&deg;F, a new 12-year warm daily minimum temperature record for the date - the old record was 73.5&deg;F in 2016.

26

The minimum temperature on the 22nd was 61&deg;F, a new 12-year LOW daily minimum temperature record for the date - the old record was 61.3&deg;F in 2019.

27

The maximum temperature on the 23rd was 77.2&deg;F, a new 12-year cool daily maximum temperature record for the date - the old record was 79.7&deg;F in 2016.

28

The maximum temperature on the 24th was 78.7&deg;F, a new 12-year cool daily maximum temperature record for the date - the old record was 84.6&deg;F in 2015.

29

The minimum temperature on the 24th was 53.7&deg;F, a new 12-year LOW daily minimum temperature record for the date - the old record was 63&deg;F in 2014.

30

The minimum temperature on the 25th was 57.2&deg;F, a new 12-year LOW daily minimum temperature record for the date - the old record was 66&deg;F in 2011 and 2009.

31

The daily temperature range on the 25th was 27.1&deg;F, a new 12-year HIGH daily temperature range record for the date - the old record was 25&deg;F in 2012.

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

100

June 2021

Springfield Park, Glen Allen, VA

The 4.01 inches of rain had a departure of -0.91 inches and June was the 6th driest June on record based on a 13-year average. June has been wetter than average for the past 5 years.

June had two warm periods from the (2nd to the 12th) and the (26th to the 30th). The cool period between the two periods nearly balanced out making June near average. (See the Graph)

The mean temperature for June was 76.3°F with a 0.3°F departure and was the 6th warmest June on record in the past 13 years. The highest temperature for the month was 96.3F on the 30th and there were 12 days of equal to 90°F or greater which was a 2.3-day departure. There were 12 days the minimum temperature was equal to or greater than 70°F and the average is 8.7 days. The maximum average temperature for June was 86.4°F a 0.3°F departure. Springfield Park had 22 new daily records for the 13 years of records mainly for high minimum temps. The highest daily temperature range in June was 34.7°F on June 18th which is a new maximum record for June. The minimum daily temperature range for June was only 5.1 degrees F on June 12th which was a new record low for June.

June was a windy month with a total wind run of 2013.4 miles for the month, the 3rd highest on record. The average wind run for the day of 67.1 miles was also the 3rd highest record for June. This is interesting as the highest wind gust was only 23 mph which is a new record low for June. Springfield Park had no strong thunderstorms but 4 weak thunderstorms. Thunder was heard on only 4 days during June which tied for the 3rd least for June. The highest barometric pressure was 30.38 inches of mercury, the 2nd highest on record for June, and the lowest pressure for June was only 29.63 inches of mercury.

Richmond International Airport

The Richmond International Airport had 4.02 inches of precipitation for June which was a -0.62-inch departure, making it the 59th wettest June on record since 1887. There were only 9 days with precip. but 2 days with more than one inch of rain on the 9th and 11th. The most rain in a day was 1.36 inches on June 9th.

The Airport's mean temperature for June of 76.1°F was a 1.1-degree F departure from average and the 21st warmest June since 1897. The Airport's maximum temperature average for June was 86.2°F, a 0.6-degree F departure. The Airport's highest maximum temperature for June was 96 degrees F on the 21th and 30th and the lowest maximum temperature for June was 72 degrees F on the 12th. The highest minimum temperature for June was 75 degrees F on the 20th. The Airport had 12 days that the maximum temperature was 90 degrees F or higher. The minimum temperature average for June was 66.0 degrees F, a 1.5-degree F departure. The Airport had 12 days the minimum temperature was greater than 70 degrees F for the month.

The daily high mean temperature (hottest day) for June was 85.0°F on the 21st. The daily lowest mean temperature (coolest day) for June was 66.5°F on the 1st.

The max temperature range for June was 33 degrees F on the 18th and the lowest was 6 degrees on the 12th. The average daily temperature range was 20.2 degrees F, a -1.2°F departure.

The Airport had two daily records in June.

June 20th 76 degrees F minimum tied the record set in 1924 for highest minimum temp. for the date.

June 12th 6 degrees F low temp range was the lowest on record for the date; the previous record was 8 degrees F set in 1899 and 1962.

ACON - VA/NC/SC

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

June 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	86.43
B	MEAN MINIMUM	66.24
C	MEAN MONTHLY	76.33
C1	MEAN TEMP DEP.	0.28
D	MAXIMUM	96
E	DATE(s) OF MAX.	Jun-30
F	MINIMUM	53.4
G	DATE(s) OF MIN.	Jun-18
H	# DAYS MAX. > = 90°	12
I	# MIN. >= 70 °F	12
J	MIN. < = 32°	0
K	MIN. < = 0°	0
K1	AVE RELATIVE HUMIDITY	74.4

WIND MPH

L	MAX. GUST	23
M	DIRECT. OF GUST	S, SSW
N	DATE	3 th & 9 th
	TIME	1718 & 1653

NUMBER DAYS WITH -

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

PRECIPITATION INCHES

T	MONTH TOTAL	4.01
U	CALENDAR DAY MAX.	1.21
U1	DATE OF MAX.	Jun-10
V	24-HR. PERIOD MAX.	2.13
V1	DATE(s) OF MAX. PD.	10 th & 11 th
W	# DAYS > = 0.01"	9
X	# DAYS > = 1.00"	1
Y	YR. TO DATE TOT.	22.46
	MAX. 1 HR. PRECIP.	1.13
	MAX. 5 MIN PRECIP.	0.28

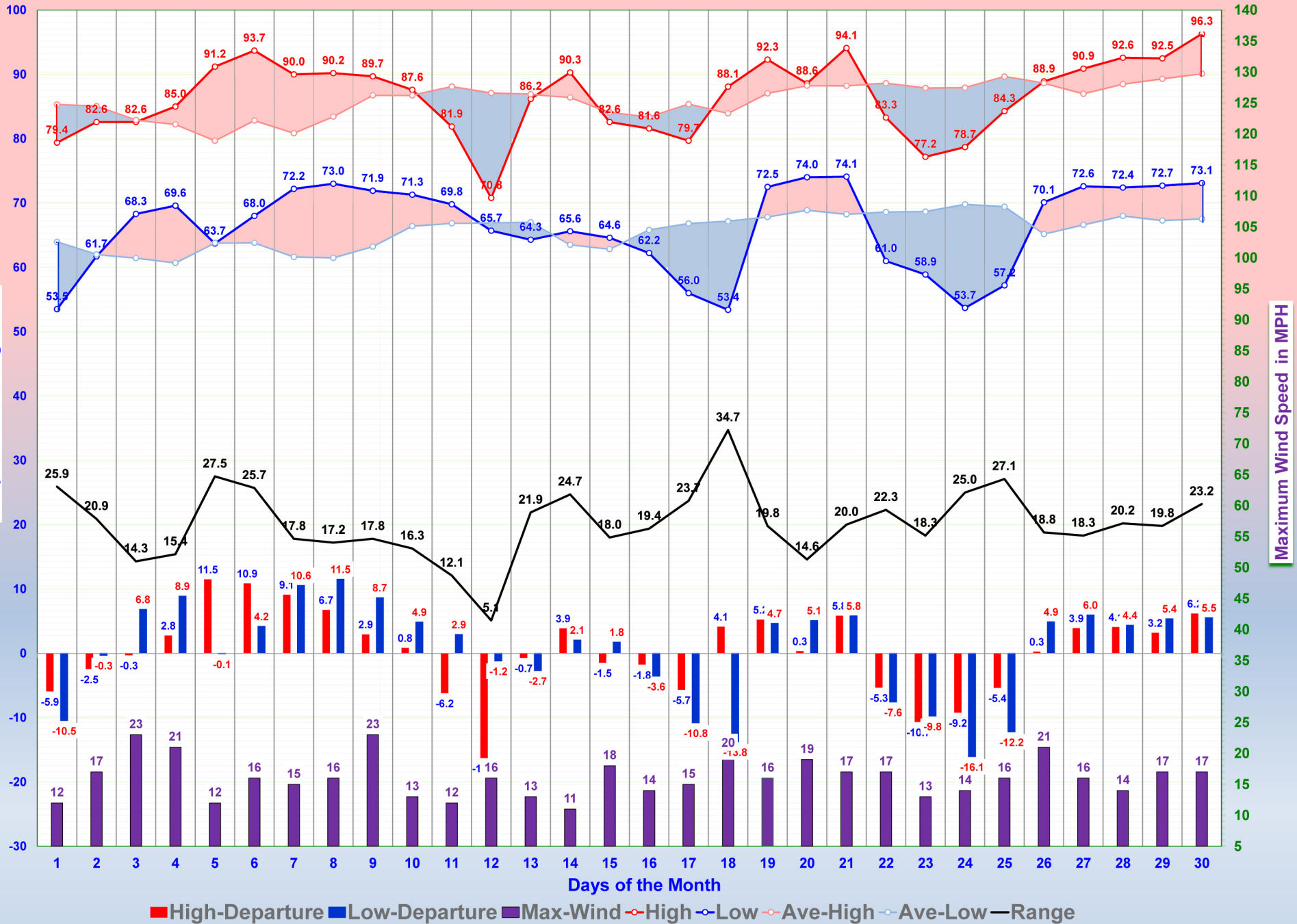
SNOWFALL INCHES

Z	DAILY MAXIMUM	0
1	DATE OF MAX.	
2	DAYS= > TRACE	0
3	DAYS > = 1.0"	0
4	MONTHLY TOTAL	0.00
5	2020-2021	11.7

BAROMETER

6	MAXIMUM	30.38
6A	DATE	Jun-24
7	MINIMUM	29.63
7A	DATE	Jun-21
8	AVE. MONTHLY PRESSURE	30.03
CWA	NWS COUNTY WARNING AREA	Henrico

SPRINGFIELD PARK'S JUNE TEMPERATURE & WIND GRAPH



The Richmond International Airport JUNE TEMPERATURE GRAPH

