PAGE #1		Aug			eld Park, \													
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Aug	Week	MAY	TEMPERA			54405	TEMPERA			Sł			RECIPITATIO			PRECIP.		PERIOD
2022	Day	MAX.	Time	MIN.	Time	RANGE	MEAN	CHANGE	SOIL	AM	PM	Liquid	1 Hr.	5 Min.	NEW	GROUND	START	END
Aug-01	Mon	89.5	16:04	72.9	1:10	16.6	81.2	5.7	78	2	1	0.47	0.47	0.25			1640	1705
Aug-02	Tue	92.7	15:41	72.2	6:26	20.5	82.5	1.3	79	1	1	Т	Т	Т			1830	1835
Aug-03	Wed	92.1	14:55	70.6	6:11	21.5	81.4	-1.1	80	0	0	-	_	_			4055	4740
Aug-04	Thu	96.6	14:01	72.4	6:24	24.2	84.5	3.2	80	2	2	0.98	T 0.48	T 0.12			1655	1710
Aug-05	Fri	94.1	14:24	71.1	18:58	23.0	82.6	-1.9	81	2	2		<b>0.48</b> 0.39	0.12			1510 0530	2215 0615
Aug-06	Sat	88.5	16:55	69.4	3:39	19.1	79.0	-3.6	80		1	0.41	0.39	0.18			0530	0013
Aug-07	Sun	91.0 93.2	16:20 14:41	71.8 74.0	4:18	19.2 19.2	81.4 83.6	2.5	79 80	0	1							
Aug-08	Mon	94.8	14:31	75.3	6:21 6:15	19.5	85.1	1.5	81	0	0							
Aug-10	Tue	93.4	12:20	72.3	22:18	21.1	82.9	-2.2	81	0	2	0.41	0.32	0.08			1804	2130
Aug-10	Wed Thu	85.0	14:46	71.0	23:54	14.0	78.0	-2.2 -4.8	81	2	2	T	0.32	T			0805	0808
Aug-11 Aug-12	Fri	82.8	15:32	63.5	23:53	19.3	73.2	-4.8	80	2	1	0.02	0.02	0.01			0805	0955
Aug-12 Aug-13	Sat	82.2	15:32	57.4	5:27	24.8	69.8	-3.4	78	0	0	0.02	0.02	0.01			0343	0300
Aug-13	Sun	83.6	13:26	64.1	6:18	19.5	73.9	4.1	78	2	2	0.04	0.04	0.01			2030	2145
Aug-14 Aug-15	Mon	70.6	17:16	62.6	23:44	8.0	66.6	-7.3	77	2	2	0.04	0.04	.0.02			0001	0105
Aug-16	Tue	80.6	15:28	62.4	0:24	18.2	71.5	4.9	76	2	1	0.20	0.14	.0.02			0001	0103
Aug-17	Wed	82.3	14:34	59.7	5:49	22.6	71.0	-0.5	75	0	1							
Aug-18	Thu	86.7	15:07	59.7	6:34	27.0	73.2	2.2	75	0	0							
Aug-19	Fri	86.6	12:57	64.0	6:22	22.6	75.3	2.1	76	1	1							
Aug-10	Sat	88.0	14:31	67.7	6:06	20.3	77.9	2.6	76	1	1							
Aug-21	Sun	81.8	16:04	70.8	1:46	11.0	76.3	-1.6	76	2	2	0.14	0.12	0.02			1140	1415
Aug-22	Mon	86.8	15:10	69.2	23:44	17.6	78.0	1.7	76	2	1	0.02	0.01	T			0220	0340
Aug-23	Tue	88.8	13:28	65.0	6:36	23.8	76.9	-1.1	77	0	1	0.02	0.01	<u> </u>			0220	0010
Aug-24	Wed	90.8	14:15	67.0	6:44	23.8	78.9	2.0	77	1	1							
Aug-25	Thu	91.5	13:32	69.0	5:37	22.5	80.3	1.3	77	2	2							
Aug-26	Fri	92.6	13:27	67.1	6:42	25.5	79.9	-0.4	77	1	1							
Aug-27	Sat	92.1	14:23	69.2	6:24	22.9	80.7	0.8	77	0	0							
Aug-28	Sun	92.3	15:09	68.0	6:34	24.3	80.2	-0.5	78	0	2	0.19	0.19	0.07			1810	1853
Aug-29	Mon	91.8	15:55	68.5	6:31	23.3	80.2	0.0	78	1	0							
Aug-30	Tue	92.9	13:44	71.5	6:27	21.4	82.2	2.1	78	0	1	0.04	0.04	0.01			1658	1810
Aug-31	Wed	87.8	14:32	67.2	6:48	20.6	77.5	-4.7	78	0	0							
TOTAL		2743.5		2106.6		636.9	2425	2.0	2420	30	33	3.00	2.22	0.75	0.00	0.00	Col	.26-27
NUMBER		31	31	31	31	31	31	31	31	31	31	11	11	9	0	0	DAILY	AVE RH
AVERAGE		88.50	14:47	67.95	8:51	20.55	78.23		78.06	0.97	1.06	Ave. Tot.	Ave. Max	Ave. Max			76.0	Percent
NORMALS		94.46		73.47		19.50	77.97		77.9	1.01	1.14	5.27	1.22	0.34			73.9	Percent
DEPARTUR	RES	-5.96		-5.51		1.05	0.26		0.2	-0.04	-0.08	-2.27	-0.74	-0.09			2.1	Percent
Max. Temp	os. >= 90°F	96.6	Ave High Max	75.3	Ave High Min	27	85.1	5.7	81.0	Whole	e Day	0.98	0.48	0.25			Precip.	24 Hr.
2022		Aug-04	95.9	Aug-09	75.6	Aug-18	Aug-09	Aug-01	Aug-05	AVE.	1.02	Aug-05	Aug-05	Aug-01			Amount	1.19
Ave.			Dep.		Dep.				Aug-09	Normal	1.13						Date	Aug-05
Departure Max Tomr	3.5 os. >= 70°F	70.6	0.7 Ave Low Max	57.4	-0.3 Ave Low Min	8	66.6	-7.3	Aug-10 75.0	Depart. SKY	-0.11 AM	PM	>= 0.10	INCHES	>= 1.00	INCHES	Date >= 2.00	Aug 06
2022		70.6 Aug-15	73.8	57.4 Aug-13	59.7	Aug-15	Aug-15	-7.3 Aug-15	75.0 Aug-17	CLEAR	12	7	>= 0.10 7	DAYS	>= 1.00	DAYS	>= 2.00	DAYS
Ave.		Aug-13	Dep.	Aug-10	Dep.	Aug-10	Aug-10	Aug-10	Aug-17 Aug-18	PT. CLO.	8	, 15	HOTTEST	85.1	Highest	Lowest	COOLEST	66.6
Departure			-3.2		-2.3				J	CLOUDY	11	9	DAY	8-09	Mean	Mean	DAY	8-15
Days Max.	<=32 °F	0			MAX.	>=100	>=95	>=90	>=85	>=80	>=75	>=70	>=65	>=60	>=55	>=50	>=45	>=40
Days Max.	>=90°F	16			DAYS	0	2	16	24	30	30	31	31	31	31	31	31	31

PAGE #2	Aug	2022	Springfie	eld Park,	West Her	nrico Co.	- Glen A	llen, Virg	inia 37.0	65537° N.	77.5692	9° W	Koontz									
20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38				
Aug	2nd PE	RIOD		WIND		REL. HU	JMIDITY	1	BAROMETRI	C PRESSUR	E					K						
2022	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	Р					
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	Р					
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						Р					
Aug-12			65.2	16	16:26	98	49	30.09	29.96	30.03	0.03						4					
Aug-13	2000	0.400	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						Р					
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 16	15:09	98	46	30.04	29.97	30.01	0.00						4					
Aug-19			46.2 39.4	16	14:37 15:22	97 96	52 61	30.13 30.18	30.03	30.08 30.14	0.07						4					
Aug-20	1825	1015	42.2	13	16:14	96	82	30.16	30.10 29.98		0.06 -0.08					1						
Aug-21		1915								30.06						1	2 P					
Aug-22	2010	2020	63.7	15 11	18:17	98	65	29.99	29.82	29.91	-0.16					1	5					
Aug-23			25.8	13	10:41 16:10	<b>99</b> 98	50 51	29.97 30.08	29.85 29.96	29.91 30.02	0.00						4					
Aug-24 Aug-25			25.3 30.7	10	23:49	97	49	30.08	30.02	30.02	0.11						4					
Aug-25 Aug-26			51.8	13	16:49	95	45	30.09	29.92	30.00	-0.06						4					
Aug-20 Aug-27			47.6	14	20:14	97	53	30.04	29.96	30.00	0.00						4					
Aug-27 Aug-28			30.9	15	15:20	98	53	30.13	30.04	30.09	0.00						4					
Aug-20 Aug-29			33.7	12	20:42	99	47	30.13	30.00	29.80	-0.29						4					
Aug-29 Aug-30	2015	2025	64.8	18	15:10	98	50	30.03	29.81	29.92	0.12						5					
Aug-30	2010	2020	25.9	14	15:17	99	43	29.96	29.87	29.92	-0.01						P					
TOTAL	Colum	nn 23	1395.3	458		3009	1701	932.80	929.25	930.76	TOTAL	0	0	0	0	5	25	0				
NUMBER	Mar. Wii		31	31	31	31	31	31	31	31	Normal	0.0	0.0	0.0	1.5	7.0	18.6	0.0				
AVE.	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				
NORMALS	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				
Departures	Miles	158.5	0.4	-15.7		2.0	2.2	0.03	0.04	0.03	Intensity		<u> </u>					st				
	MAXIMUM		82.1	37	SSW	99	82	30.29	30.18	30.24	0.16	GLAZ	SLEE	SNOW	FOG	K	Dew	Fros				
	DATES	1	Aug-09	Aug-06	17:28	Aug-07	Aug-21	Aug-06	Aug-06	Aug-06	Aug-01					1 7		ш				
		2				Aug-23						5. Very Heavy to Extreme 4. Heavy-Unusual										
Min Tamas	- 70°F	3			Ave. Max.	Aug-29						4. Heavy-Unusual 3. Moderate - Ave.										
Min. Temps. 2022	<u> </u>	4 Dates	23.6	10	30.4	Aug-31 92	39	29.95	29.81	29.80	-0.29											
Ave.	13.6	1	23.0 Aug-15	Aug-03	Dep.	Aug-14	Aug-13	Aug-02	Aug-30	Aug-29	-0.29 Aug-29	-										
Departure	-1.6	2		Aug-15	6.6							M - Even										
Days Min.	<=32 °F	0	≤ 75	≤ 70	≤ 65	≤ 60	≤ 55	≤ 50	≤ 45	≤ 40	≤ 35	N- None N	No Dew Ob	s.								
Days Min :	>=70°F	12	30	19	8	1	0	0	0	0	0											

PAGE #3	Springfield Park, West Henrico Co Glen Allen, Virginia 37.65537° N. 77.56929° W Koontz
Aug	REMARKS FOR THE MONTH
2022	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
_	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
_	AM SKY WAS CLOUDY TO 1145 WHEN CLEARING STARTED. PM SKY WAS PC FROM NOON TO 1645 & THEN BECAME CLEAR FROM 1745 INTO NIGHT
•	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
_	AM AVERAGED PC WITH CIRRUS UNTIL 1215-PM HAD MAINLY CUMULUS FROM 1220-1800 THEN MOSTLY CLOUDY FOR REST OF DAY AM WAS CLOUDY TO 0825 THEN AVERAGED PC TO NOON-PM AVERAGED 60-65% CLOUDY
Aug-20	TS RATED 1-1-2 - 1ST THUNDER HEARD AT 1136 WITH A MILD TS-THUNDER OCCURRED WITH FIRST RAIN PD. LISTED
_	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-22 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 LITLLE 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

Page 4	West Henrico Co Glen Allen Weather Center 37.65537° N. 77.56929° W Koontz
41	DAILY RECORDS FOR THE MONTH
Aug	The Orabin Call Day I Orabin Land Decreasing Decreasing Association
2022	The Springfield Park Station had 12 Records or Record Ties in August 2022
1	
2	
3	The manifesting on the 4th use OC CO dent of a new 42 year deith HIGH manifesting towards a second for the date. The ald record use 04 00 dent in 2045
- 4	The maximum temperature on the 4th was 96.6°F, a new 13-year daily HIGH maximum temperature record for the date - the old record was 94.8°F in 2015.
5 6	
7	
8	The minimum temperature on the 8th was 74°F, and EQUALED the, 13-year HIGH daily minimum temperature record for the date - the old record was set in 2013.
9	The minimum temperature on the our was 14 accept, and Except the, 10 year mort daily minimum temperature record for the date. The our record was set in 2010.
10	
11	The daily temperature range on the 11th was 14°F, and EQUALED the, 13-year LOW daily minimum temperature range record for the date - the old record was set in 2013.
12	
13	The minimum temperature on the 13th was 57.4°F, a new 13-year LOW daily minimum temperature record for the date - the old record was 63.2°F in 2015.
	The daily temperature range on the 13th was 24.8°F, a new 13-year HIGH daily temperature range record for the date - the old record was 24°F in 2012.
14	
15	The maximum temperature on the 15th was 70.6°F, a new 13-year cool daily maximum temperature record for the date - the old record was 75°F in 2020.
16	
17	The minimum temperature on the 17th was 59.7°F, a new 13-year LOW daily minimum temperature record for the date - the old record was 60°F in 2013.
18	The minimum temperature on the 18th was 59.7°F, a new 13-year LOW daily minimum temperature record for the date - the old record was 64.8°F in 2020.
	The daily temperature range on the 18th was 27°F, a new 13-year HIGH daily temperature range record for the date - the old record was 26°F in 2008.
19	
20	
21	The maximum temperature on the 21st was 81.8°F, a new 13-year cool daily maximum temperature record for the date - the old record was 83°F in 2012.
	The daily temperature range on the 21st was 11°F, a new 13-year LOW daily temperature range record for the date - the old record was 14.1°F in 2018.
	The daily precipitation on the 21st was 0.14 inches, and EQUALED the, 13-year HIGH daily precipitation record for the date - the old record was set in 2012.
22	
23	
25	
26	
27	
28	
29	
30	
31	

#### **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-11<sup>th</sup>-20<sup>th</sup>). August was the 3<sup>rd</sup> driest and the 8<sup>th</sup> 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 3<sup>rd</sup> 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 4<sup>th</sup> and the warmest night was 75.3 F on the 9<sup>th</sup>. August had 16 days of equal to or greater than 90 F heat which tied for 5<sup>th</sup> place. The lowest August minimum was 57.4 F on the 13<sup>th</sup> and there were 12 nights the temperature was equal to or greater than 70 F which tied for the 7<sup>th</sup> 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 6<sup>th</sup> highest for August. The cool temps & lower humidity at mid-month lowered the monthly average.

The max. wind gust was 37 mph on the 6<sup>th</sup> from the SSW at 1728 from a local thunderstorm and was the 2<sup>nd</sup> 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	7, 3														
	14Yr.			14Yr.			14Yr.									
Summer	Ave.	Mean	Temp.	Ave.	Total	Precip.	Ave.	Rel.	Rel.							
Season	Mean	Temp.	Dep.	Prec.	Prec.	Dep.	Rel.	Hum.	Dep.							
Table	Temp.	°F	°F	Ave.	inches	inches	Hum.	%	%							
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	234.29	233.2	-1.05	14.42	11.84	-2.58	216.6	223.3	6.6							
AVE.	78.10	77.75	-0.35	4.81	3.95	-0.86	72.2	74.4	2.2							

Springfield Park's 11.84 inches of precip. for the summer made 2022 the 5<sup>th</sup> 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 5<sup>th</sup> 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 24<sup>th</sup> hottest August since 1897 and tied for 28<sup>th</sup> 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 29<sup>th</sup>: only 19 Augusts have had a lower maximum monthly range since 1897. The highest monthly temperature was 97 F on the 9<sup>th</sup>. The lowest monthly maximum temperature was 71 F on the 15<sup>th</sup>. The lowest minimum temperature for August was 61 F on the 13<sup>th</sup> and 18<sup>th</sup>.

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

Summer	2022	- Richn	nond C	limate R	eport	
	30Yr.			30Yr.		
Summer	Ave.	Mean	Temp.	Ave.	Total	Prec.
Season	Mean	Temp.	Dep.	Precip.	Prec.	Dep.
Table	Temp.	°F	°F	Ave.	Inches	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	231.90	234.7	2.8	13.91	12.13	-1.78
AVE.	77.3	78.2	0.9	4.64	4.04	-0.59

The 12.13 inches precip. for the summer of 2022 makes it the 65<sup>th</sup> wettest summer since 1887. The summer 's average temp. of 78.3 F makes 2022 the 16<sup>th</sup> warmest summer since 1897 and the 18<sup>th</sup> warmest since 1880.

#### ACON - VA/NC/SC

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

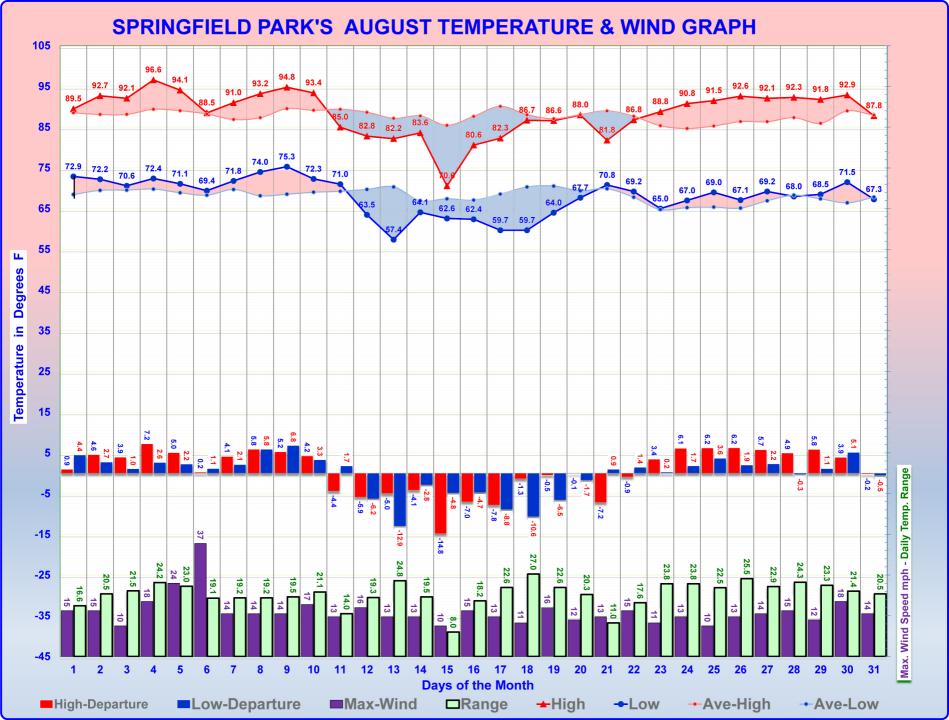
## August 2022

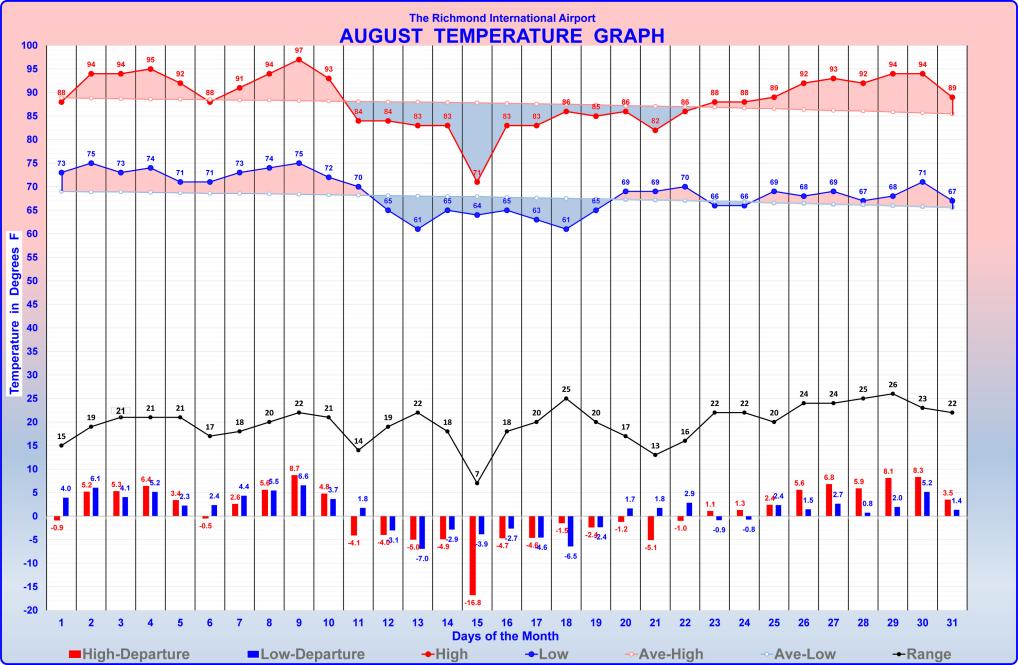
# **Station summary of Climatological Data**

Observer: Lowell L. Koontz West Henrico - Glen Allen, VA

Observation Times: Temps Recorded 2400 Precipitation Recorded 2400

Observation filles.	remps Nec	orueu 2	+00 Frecipitation Record	ueu 2400
TEMPERATURE °F		_	PRECIPITATION INCHES	
MEAN MAXIMUM	88.50	т	MONTH TOTAL	3.00
MEAN MINIMUM	67.95	U	CALENDAR DAY MAX.	0.98
MEAN MONTHLY	78.23	U1	DATE OF MAX.	Aug-05
MEAN TEMP DEP.	0.3	v	24-HR. PERIOD MAX.	1.19
MAXIMUM	96.6	V1	DATE(s) OF MAX. PD.	Aug 05 - 06
DATE(s) OF MAX.	Aug-04	w	# DAYS > = 0.01"	11
MINIMUM	57.4	x	# DAYS > = 1.00"	0
DATE(s) OF MIN.	Aug-13	Υ	YR. TO DATE TOT.	30.30
# DAYS MAX. > = 90°	16		MAX. 1 HR. PRECIP.	0.48
# MAX. < = 32°	0		MAX. 5 MIN PRECIP.	0.25
MIN. < = 32°	0		SNOWFALL INCHES	
MIN. >= 70 ° F	12	z	DAILY MAXIMUM	0.0
AVE RELATIVE HUMIDITY	76.0	1	DATE OF MAX.	
WIND MPH		2	DAYS= > TRACE	0.0
MAX. GUST	37	3	DAYS > = 1.0"	0.0
DIRECT. OF GUST	SSW	4	MONTHLY TOTAL	0.0
DATE	Aug-06	5	2021 - 2022 SEASON'S TOT.	10.1
TIME	17:28		BAROMETER	
NUMBER DAYS WITH -		_ 6	MAXIMUM	30.29
THUNDER	5	6A	DATE	Aug-06
HAIL	0	7	MINIMUM	29.81
GLAZE	0	7A	DATE	Aug-30
ICE PELLETS (SLEET)	0	8	AVE. MONTHLY PRESSURE	30.02
DENSE FOG < = 1/4 MILE	0	CWA	NWS COUNTY WARNING AREA	Henrico





Sp	ATION (	Climatolo ield F	gical) ark				(Riv	er Sta	ation,	if diff	erent)	) N	IONTI	Αι	ıa		20	22	2			FOI -09)	RM B	-91								U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
V.	ATE A				COU	JNTY rico						R	IVER								1											NATIONAL WEATHER SERVICE
TI	ME (loca	) OF OBS	ERVATION	ON RIVER		IPERATU	RE		IECIF	TATI	ION	S	TAND	ARD	TIMI	E IN	USE				1				RE	CO	RD (	OF F	IVE	R AND C	LIM	ATOLOGICAL OBSERVATIONS
T	PE OF F	RIVER GA	GE.	ELEVAT GAGE ZE		RIVER	FLO	OD S	TAG	E		N	ORM	AL P	OOL	STA	GE				1											
TEMPERATURE PRECIPITAT									TION									WEATHER (Observation Day) RIVER STAGE														
Ш	24 HRS	ENDING		24 HR Al	MOUNTS	AT OB	Draw	v a stra	ight li	ne ( ) throu	) thi	rough urs pre	gh hours precipitation was observed, and a wavy line precipitation probably occurred unobserved								9 Mi	ark 'X	for all	types o	occurrin	ng each		urrence		Gage		
ш	OBSER			melted etc. d edths)	s, hail	s, hail				A.M.		3/0	NO	ON			P.M				1	:	pellets		nder		aging	of occu	Condition	reading at	lency	
DAT	MAX	MIN	AT OBSN	Rain, snow, (in an hundr	Snow, pellets (ins.ar	Snow, pellets ice on ground	,	2 3	4 5	6 7	. 8	9 10	11	1	2 3	4 1	5 6	7 6	9	10 11	Fog		lce b	Glaze	Thunde	Haii	Dama	Time if diffe	Conc	AM	Tenden	REMARKS (SPECIAL OBSERVATIONS, ETC.)
1	90	73	74	0.47	0.0	0	TT.	ŤŤ	ŤĬ	Ť	ΓŤ	ŤΪ	Ϊ	Ť	ŤŤ	1_	ĽŤ	Ť	Ť	ŤΪ	$\top$	$\top$	$\top$		х							Two TS cells , one to the west and the other to
2	93	72	73	т	0.0	0	П	Ħ	П	$\top$	Н	П	т	т	Ħ	T	Π.	-1	$\top$	Ħ	$\top$	$\top$	T	T	*							Springfield Park had a heavy AM dew and a PM spr
3	92	71	75	0.00	0.0	0	П	Ħ	Ħ	$\top$	$\vdash$	П	$\top$	т	Ħ	$\top$	П	T	$\top$	$\forall$	$\top$	$^{+}$	T	寸								The AM was sunny with only a few cirrus clouds u
4	97	72	78	Т	0.0	0	П	Ħ	П	$\top$	П	П	T	П	П	1-	H	T	Т	Ħ	$\top$	$\top$	T						1			A very light sprinkle occurred between 1655 and
5	94	71	71	0.98	0.0	0	П	Ħ	П	$\top$	П	П	$\top$	т	Π.	1	-			-1-1	$\top$	$\top$	T		х		$\vdash$					AM was cloudy until 1100 then mostly clear to 14
6	89	69	73	0.41	0.0	0	$\vdash$	$\dagger$	$\forall$	_	$\vdash$	$\forall$		$\vdash$	$\forall$	$\top$	- -	-	$\top$	$\forall$	$\top$	$\top$	$\top$	$\overline{}$	x							The first thunder heard at 1726 and rain started
7	91	72	79	0.00	0.0	0	$\sqcap$	$^{\dagger\dagger}$	П	$\top$	П	П	$\top$	$\top$	Ħ	$\top$	П	$\top$	$\top$	$\forall$	$\top$	$\top$	$\top$	$\neg$								The AM sky had cirrus until 1030 then scattered
8	93	74	81	0.00	0.0	0	П	Ħ	П	$\top$	П	П	$\top$	Т	П	$\top$	П	T	Т	Ħ		$\top$		$\neg$								A very clear AM with a deep blue sky until 1140
9	95	75	81	0.00	0.0	0	П	$\sqcap$	П	$\top$	П	П	$\top$	Т	П	$\top$	П	Т	Т	П	$\top$	$\top$	$\top$	$\neg$								A very clear day with only about 5 % cloud cover
10	93	72	73	0.41	0.0	0	П	П	П		П	П	Т	П	П		Π-		_ -	-11	X									Very clear AM with first clouds seen at noon and		
11	85	71	71	т	0.0	0	П	П	П	$\top$	Π-	-11	Т	П	П	$\top$	П	Т	П	П	$\top$	$\top$										Today had an AM sprinkle and was cloudy or mostl
12	83	64	64	0.02	0.0	0	1 :	2 3	4 5	6 7	8	9_10	11	1	2 3	4 5	5 6	7 8	9	10 11		$\top$	$\neg$									Today was cloudy with a 10 minute shower from 09
13	82	57	65	0.00	0.0	0	П	П	П	Т	П	П	Т	Т	П	Т	П	Т	П	П	$\top$	$\top$	$\top$	$\neg$								A very clear sunny cool August day with a few f
14	84	64	68	0.04	0.0	0	П	Ħ	П	$\top$	П	П	$\top$	т	П		П			-1-1	_	$\top$	$\top$									The AM was cloudy until 1000 and was partly clou
15	71	63	63	0.28	0.0	0	- -		-11	$\top$		-1-1	- -		П	$\top$	П	T	$\top$	$\top$	$\top$	$\top$	$\top$	$\neg$								Today had a 13-year daily record- The lowest max
16	81	62	65	0.00	0.0	0	П	Ħ	П	$\top$	П	П	$\top$	Т	П	$\top$	П	T	Т	П	$\top$	$\top$	$\top$	$\neg$								The AM sky was cloudy to 1145 then clearing star
17	82	60	65	0.00	0.0	0	$\vdash$	Ħ	П	$\top$	П	П	$\top$	т	П	$\top$	П	$\top$	$\top$	$\forall$	$\top$	$\top$	$\top$	$\neg$								The AM was clear to 0950 then partly cloudy to 1
18	87	60	69	0.00	0.0	0	$\sqcap$	Ħ	П	$\top$	П	П	$\top$	т	П	$\top$	П		$\top$	Ħ	$\top$	$\top$	$\top$	$\neg$								No AM clouds seen and the PM had only scattered
19	87	64	74	0.00	0.0	0	$\vdash$	Ħ	П	$\top$	П	П	$\top$	т	П	$\top$	П	T	$\top$	Ħ	$\top$	$\top$	$\top$	$\neg$								The AM averaged partly cloudy with thin cirrus u
20	88	68	73	0.00	0.0	0	П	Ħ	П	$\top$	П	П	$\top$	$\top$	П	$\top$	П	$\top$	П	Ħ		$\top$	$\top$									The AM was cloudy until 0825 then averaged partl
21	82	71	73	0.14	0.0	0	Н	Ħ	П	$\top$	П	П	1_			$\top$	Η.		Т	Ħ	$\top$	$\top$	$\top$		х		-					First thunder heard was at 1136. Two periods of
22	87	69	69	0.02	0.0	0	1 :	2_3_	4 5	6 7	8	9 10	11	1	2 3	4 5	5 6	7 8	_9	10 11		$^{+}$	$\top$	$\overline{}$	x							Two thunders heard around 1625 as a TS passed t
23	89	65	70	0.00	0.0	0	П	П	П	Т	П	П	Т	Т	П	Т	П	1	П	П	$\top$	$\top$	$\top$		^							The AM was very clear with first cumulus startin
24	91	67	73	0.00	0.0	0	П	Ħ	П	$\top$	$\top$	П	$\top$	$\top$	П	$\top$	П	T	$\top$	$\forall$	$\top$	$\top$	$\top$	$\neg$								The AM had many cirrus clouds until 0945 then cl
25	92	69	75	0.00	0.0	0	$\vdash$	Ħ	П		Н	П	$\top$	т	Ħ	$\top$	П	T	$\top$	П	$\top$	$\top$	$\top$	$\neg$					- F			The AM had an almost complete overcast of thin c
26	93	67	74	0.00	0.0	0	$\vdash$	$^{\dagger\dagger}$	П	$\top$	Н	П	$\top$	$\top$	Ħ	$\top$	П	$\top$	$\top$	$\forall$	$\top$	$\top$	$\top$	_			$\vdash$					The AM had some altocumulus and mid-level clouds
27	92	69	73	0.00	0.0	0	$\vdash$	Ħ	Ħ	$\top$	Н	Ħ	$\top$	$\top$	Ħ	$\top$	Н	T	$\top$	$\forall$	1	$^{+}$	$\top$	$\neg$								The AM was clear except for a few thin cirrus cl
28	92	68	72	0.19	0.0	0	$\vdash$	Ħ	Ħ	$\top$	$\vdash$	Ħ	$\top$	$\top$	Ħ	$\top$	Η.	_	$\top$	$\forall$	$\top$	$\top$	$\top$	$\neg$								The AM was very clear with the first cloud seen
29	92	69	78	0.00	0.0	0	$\vdash$	$\dagger \dagger$	$\forall$	$\top$	$\vdash$	Ħ	$\top$	$\vdash$	$\forall$	$\top$	П	T	$\top$	$\forall$	$\top$	$^{\dagger}$	$\top$	$\dashv$								The AM was partly cloudy with cirrus until 0920
30	93	72	73	0.04	0.0	0	$\vdash$	$\dagger \dagger$	$\forall$	$\top$	$\vdash$	$\forall$	$\top$	$\vdash$	$\dagger \dagger$	+				$\forall$	$\top$	$^{\dagger}$	$\top$	$\dashv$	$\neg$							The AM was clear with the first clouds seen at 1
31	88	67	68	0.00	0.0	0	$\vdash$	$\dagger \dagger$	$\forall$	$\top$	$\vdash$	$\forall$	$\top$	$\vdash$	$\dagger \dagger$		$\Box$	T	$\top$	$\forall$	$\top$	$^{\dagger}$	$\top$	$\neg$					× .			A very clear day and finally a lower dew point o
	88.6	68.0	SUM	3.00		$\times$				КВА	R (fo	r wire	weig			AL C	HEC	КВ	AR			1	led be	aze	Б		- st				$\vee$	
C	CONDITION OF RIVER AT GAGE READING DA						DAT	ΓE						Pg		8	Gla	Thund	Hail	Dam winds				$\triangle$								
А	A. Obstructed by rough ice E. Ice gorge below gage										OBSERVER																					
В	B. Frozen, but open at gage F. Shore ice C. Upper surface smooth ice G. Floating ice													SUPERVISING OFFICE STATION INDEX NO.						STATION INDEX NO.												
	C. Upper surface smooth ice G. Floating ice D. Ice gorge above gage H. Pool stage																	fie:								44-7998-02						
$\blacksquare$																								0.71627	0.000							11 /000 02