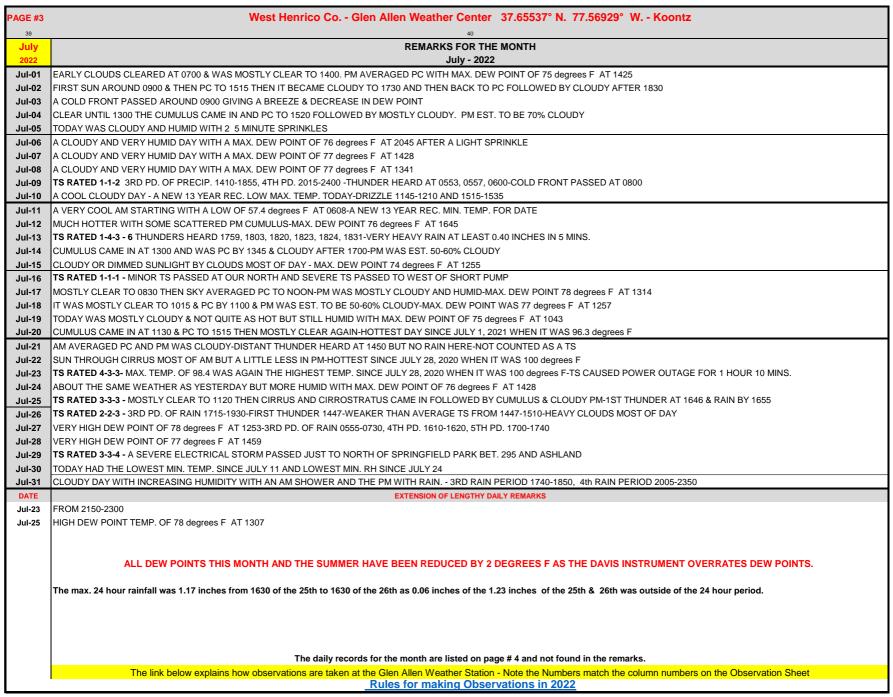
July-01 Fri   92-3   15:06   71:5   5:01   20:8   81:9   10   76   0   1			July 2022 West Henrico Co Glen Allen Weather Center 37.65537° N. 77.56929° W Koontz												2022	July		PAGE #1
2022   Day   MAX.   Time   MIN.   Time   RANGE   MEAN   CHANGE   SOIL   AM   PAI   Liquid   1Hr.   5 Min.   NEW   GROUND   5 Min.   July-92   Sat   917   1509   71.6   628   201   817   -0.3   77   2   1	15 16 17 18	17 18 1	16 17	14 15	13 14	13	12	11	10	9	8	7	6	5	4	3	2	1
July-91 Fri   92.3   15.00   71.5   5.01   20.8   81.9   13   78   0   1	ION FROZ. PRECIP. 1st PE	PRECIP. 1st PERIOD	FROZ. PRECIP.	CIPITATION	PRECIPITA	KY	s		TURE °F	TEMPERA			TURE °F	TEMPERA		Week	July	
July-Q2   Sat	5 Min. NEW GROUND START	GROUND START EN	n. NEW GROUND	1 Hr. 5 Min.	Liquid 1 Hr.	Liquid	PM	AM	SOIL	CHANGE	MEAN	RANGE	Time	MIN.	Time	MAX.	Day	2022
July-03 Sun   88.1							1	0	76	1.9	81.9	20.8	5:01	71.5	15:06	92.3	Fri	July-01
July-95   Tue   89.8   13.01   71.9   5.40   77.9   8.9   4.0   77.   2   2   77.   7.0   1.0							1	2	77	-0.3	81.7	20.1	6:28	71.6	15:09	91.7	Sat	July-02
July-95   Tue   89.8   13.01   71.9   5.40   17.9   89.9   4.0   77   2   2   7   T   T   T   1.0							1	1	78	-3.7	78.0	20.2	23:58	67.9	11:31	88.1	Sun	July-03
July-06 Weel 94.0 16:54 71.1 554 22 3 82.6 1.7 77 2 2 2 0.01 0.01 T    July-07 Thu 88.0 14:40 72.8 6.01 152 88.4 22.1 77 2 2 2							2	0	77	-1.2	76.9	25.7	5:45	64.0	17:07	89.7	Mon	July-04
July-07 Thu 88.0 14.40 72.8 601 15.2 80.4 2.1 77 2 2 2	T 1403	1403 14		т т	<b>T</b> T	Т	2	2	77	4.0	80.9	17.9	5:40	71.9	13:01	89.8	Tue	July-05
July-90	T 1835	1835 20		0.01 T	<b>0.01</b> 0.01	0.01	2	2	77	1.7	82.6	22.9	5:54	71.1	16:54	94.0	Wed	July-06
July-10 Sim							2	2	77	-2.1	80.4	15.2	6:01	72.8	14:40	88.0	Thu	July-07
July-10 Sun							2	2	77	0.2	80.6	18.0	4:14	71.6	17:09	89.6	Fri	July-08
July-12 Tue   93.7   16.44   68.2   43.4   26.5   81.0   94.   75   0   0   0	0.14 0510	0510 05	4	0.15 0.14	0.34 0.15	0.34	2	2	78	-7.6	73.0	12.4	23:30	66.8	0:01	79.2	Sat	July-09
July-12 Tue   93.7   16:44   68.2   4:34   25.5   81:0   94.   76   0   0   0   0   0   0   0   0   0	0.01 0001	0001 06	1	0.03 0.01	0.07 0.03	0.07	2	2	76	-4.7	68.3	9.6	23:52	63.5	13:56	73.1	Sun	July-10
July-13   Wed   91.9   15:38   68.8   6:10   23.1   80.4   -0.6   77   2   2   2   0.84   0.04   0.40   0.40   1.50     July-14   Thu   91.0   14:54   69.0   6:12   22.0   80.0   -0.3   77   0   1							0	0	74	3.3	71.6	28.3	6:08	57.4	17:07	85.7	Mon	July-11
July-15 Fit   S7.8   15:39   69:2   22:55   18:6   78:5   11:5   78   2   2   2   3   3   3   3   3   3   3							0	0	75	9.4	81.0	25.5	4:34	68.2	16:44	93.7	Tue	July-12
July-16   Sit	0.40 1803	1803 18	0	0.84 0.40	0.84 0.84	0.84	2	2	77	-0.6	80.4	23.1	6:10	68.8	15:38	91.9	Wed	July-13
July-16 Sat   89.5   13:42   67.4   2:58   22.1   78.5   0.0   77   1   2   0.03   0.03   0.01     1   1   1   1   1   1   1   1   1							1	0	77	-0.3	80.0	22.0	6:12	69.0	14:54	91.0	Thu	July-14
July-17 Sun   92.0   13:48   67.8   5:34   24.2   79.9   1.5   77   1   2							2	2	78	-1.5	78.5	18.6	23:55	69.2	15:39	87.8	Fri	July-15
July-18   Mon   93.4   16:09   75.7   6:42   17.7   84.6   4.7   78   0   1   T   T   T   T   T   July-19   Tue   91.4   16:22   73.0   5:26   18.4   82.2   22.4   78   2   2   2   3   3   3   3   3   3   3	0.01 1455	1455 17	1	0.03 0.01	0.03 0.03	0.03	2	1	77	0.0	78.5	22.1	2:58	67.4	13:42	89.5	Sat	July-16
July-20   Wed   96.2   15.51   71.9   5:36   24.3   84.1   1.9   78   0   0   0							2	1	77	1.5	79.9	24.2	5:34	67.8	13:48	92.0	Sun	July-17
July-20   Wed   96.2   15.51   71.9   5.36   24.3   84.1   1.9   78   0   0   0	T 2235	2235 22		т т	<b>T</b> T	Т	1	0	78	4.7	84.6	17.7	6:42	75.7	16:09	93.4	Mon	July-18
July-21   Thu							2	2	78	-2.4	82.2	18.4	5:26	73.0	16:22	91.4	Tue	July-19
July-22 Fri   97.2   16.26   72.0   6.10   25.2   84.6   -0.8   79   1   0   0   2   0.86   0.86   0.29   2							0	0	78	1.9	84.1	24.3	5:36	71.9	15:51	96.2	Wed	July-20
July-23 Sat   98.4   15:25   70.6   6:03   27.8   84.5   -0.1   79   0   2   0.86   0.86   0.29     2   2   2   2   3   3   3   3   3							2	1	79	1.3	85.4	19.3	23:59	75.7	14:07	95.0	Thu	July-21
July-24							0	1	79	-0.8	84.6	25.2	6:10	72.0	16:26	97.2	Fri	July-22
July-25   Mon   94.0   15:29   72.8   22:54   21.2   83.4   -0.8   80   0   2   0.61   0.59   0.16   15	0.29 2140	2140 22	9	0.86 0.29	0.86 0.86	0.86	2	0	79	-0.1	84.5	27.8	6:03	70.6	15:25	98.4	Sat	July-23
July-26   Tue	T 1705	1705 17		т т	<b>T</b> T	Т	2	0	79	-0.3	84.2	27.9	6:05	70.2	14:51	98.1	Sun	July-24
July-27   Wed   90.0   14:18   72.6   3:35   17.4   81.3   1.1   78   2   2   0.33   0.28   0.09   0   0   0   0   0   0   0   0   0	0.16 1655	1655 19	6	0.59 0.16	0.61 0.59	0.61	2	0	80	-0.8	83.4	21.2	22:54	72.8	15:29	94.0	Mon	July-25
July-28 Thu         93.0         15:13         73.6         5:44         19.4         83.3         2.0         79         0         1	0.23 0935	0935 10	3	0.51 0.23	0.62 0.51	0.62	2	2	79	-3.2	80.3	14.3	23:43	73.1	13:25	87.4	Tue	July-26
July-29 Fri   92.0   11:16   73.1   6:07   18.9   82.6   -0.8   80   2   2   1.00   0.85   0.35   1   1   1   1   1   1   1   1   1	0.09 0335	0335 04	9	0.28 0.09	0.33 0.28	0.33	2	2	78	1.1	81.3	17.4	3:35	72.6	14:18	90.0	Wed	July-27
July-30 Sat       87.1       14:52       70.1       23:32       17.0       78.6       -4.0       79       0       1       0       0       0       1       0        0       0       0       0       0       0       0       0       0       0       0       0       0       0       0        0       0       0       0       0       0       0       0       0       0       0       0       0       0       0        0       0       0       0       0       0       0       0       0       0       0       0       0       0       0        0       0       0       0       0       0       0       0       0       0       0       0       0       0       0        0       0       0       0       0       0       0       0 </th <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td>0</td> <td>79</td> <td>2.0</td> <td>83.3</td> <td>19.4</td> <td>5:44</td> <td>73.6</td> <td>15:13</td> <td>93.0</td> <td>Thu</td> <td>July-28</td>							1	0	79	2.0	83.3	19.4	5:44	73.6	15:13	93.0	Thu	July-28
July-31 Sun   79.6   11:29   69.4   4:13   10.2   74.5   -4.1   79   2   2   0.43   0.16   0.03   0.00     TOTAL   2800   2174   625.6   2487   -5.5   2409   33   47   5.14   4.31   1.71   0.00   0.00     NUMBER   31   31   31   31   31   31   31   3	0.35	1317 13	5	0.85 0.35	1.00 0.85	1.00	2	2	80	-0.8	82.6	18.9	6:07	73.1	11:16	92.0	Fri	July-29
TOTAL    2800							1	0	79	-4.0	78.6	17.0	23:32	70.1	14:52	87.1	Sat	July-30
NUMBER 31 31 31 31 31 31 31 31 31 31 31 31 31	0.03 0855	0855 09	3	0.16 0.03	0.43 0.16	0.43	2	2	79	-4.1	74.5	10.2	4:13	69.4	11:29	79.6	Sun	July-31
AVERAGE 90.32 14:25 70.14 10:11 20.18 80.23 77.71 1.06 1.52 Ave. Tot. Ave. Max Ave. Max 1 75.44 20.40 80.25 79.0 0.90 1.08 4.30 0.95 0.27 70.00 0.90 1.08 4.30 0.95 0.27 70.00 0.90 0.10 0.10 0.10 0.10 0.10 0.10	1.71 0.00 0.00 Col.2	0.00 Col.26-27	1 0.00 0.00	4.31 1.71	5.14 4.31	5.14	47	33	2409	-5.5	2487	625.6		2174		2800		TOTAL
NORMALS         97.41         75.44         20.40         80.25         79.0         0.90         1.08         4.30         0.95         0.27           DEPARTURES         -7.09         -5.30         -0.22         -0.02         -1.3         0.16         0.43         0.84         -0.09         0.13           Max. Temps. >= 90°F         98.4         Ave.High Max         75.7         Ave.High Min         28.3         85.4         9.4         80.0         Whole Day         1.00         0.86         0.40         Prec           2022         22         Jul-23         98.9         Jul-18         77.2         Jul-11         Jul-21         Jul-25         AVE.         1.29         Jul-23         Jul-23         Jul-13         Aul-13         Ave.         Ave.         Normal         1.13         Depart.         0.16         Normal         1.13         Depart.         0.16         Normal         1.13         Normal         1.00         Normal         Normal         Normal         Normal         Normal<	10 0 0 DAILY A	0 DAILY AVE RE	0 0	11 10	11 11	11	31	31	31	31	31	31	31	31	31	31		NUMBER
DEPARTURES         -7.09         -5.30         -0.22         -0.02         -1.3         0.16         0.43         0.84         -0.09         0.13           Max. Temps. >= 90°F         98.4         Ave.High Max         75.7         Ave.High Min         28.3         85.4         9.4         80.0         Whole Day         1.00         0.86         0.40         Pred           2022         22         Jul-23         98.9         Jul-18         77.2         Jul-11         Jul-21         Jul-21         Jul-25         AVE.         1.29         Jul-29         Jul-23         Jul-13         Jul-13 <td>Ave. Max 75.7</td> <td>75.7 Pero</td> <td>Max</td> <td>Ave. Max Ave. Max</td> <td>Ave. Tot. Ave. M</td> <td>Ave. Tot.</td> <td>1.52</td> <td>1.06</td> <td>77.71</td> <td></td> <td>80.23</td> <td>20.18</td> <td>10:11</td> <td>70.14</td> <td>14:25</td> <td>90.32</td> <td></td> <td>AVERAGE</td>	Ave. Max 75.7	75.7 Pero	Max	Ave. Max Ave. Max	Ave. Tot. Ave. M	Ave. Tot.	1.52	1.06	77.71		80.23	20.18	10:11	70.14	14:25	90.32		AVERAGE
Max. Temps. >= 90°F         98.4         Ave.High Max         75.7         Ave.High Min         28.3         85.4         9.4         80.0         Whole Day         1.00         0.86         0.40         Pred           2022         22         Jul-23         Jul-23         Jul-18         77.2         Jul-11         Jul-21         Jul-21         Jul-25         AVE.         1.29         Jul-29         Jul-23         Jul-13	0.27 70.8	70.8 Pero	7	0.95 0.27	4.30 0.95	4.30	1.08	0.90	79.0		80.25	20.40		75.44		97.41		NORMALS
2022 22 Jul-23 98.9 Jul-18 77.2 Jul-11 Jul-21 Jul-25 AVE. 1.29 Jul-29 Jul-23 Jul-23 Jul-13 Amore Ave. 18.4 Dep. Jul-21 Dep0.5 Jul-29 Normal 1.13 Depart. 0.16	0.13 4.9	4.9 Pero	3	-0.09 0.13	0.84 -0.09	0.84	0.43	0.16	-1.3		-0.02	-0.22		-5.30		-7.09	ES	DEPARTUR
Ave. 18.4 Dep. Jul-21 Dep1.5 Jul-29 Normal 1.13 Depart. 0.16 Depart	0.40 Precip.	Precip. 24	0	0.86 0.40	1.00 0.86	1.00	le Day	Who	80.0	9.4	85.4	28.3	Ave.High Min	75.7	Ave.High Max	98.4	s. >= 90°F	Max. Temp
Departure         3.6         -0.5         -1.5         Depart.         0.16         Depa	Jul-13 Amount	Amount 1.	3	Jul-23 Jul-13	Jul-29 Jul-23	Jul-29	1.29	AVE.	Jul-25	Jul-12	Jul-21	Jul-11	77.2	Jul-18	98.9	Jul-23	22	2022
Departure         3.6         -0.5         -1.5         Depart         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16	Date	Date Jul					1.13	Normal	Jul-29				Dep.	Jul-21	Dep.		18.4	Ave.
2022 19 Jul-10 78.9 Jul-11 60.0 Jul-10 Jul-10 Jul-09 Jul-11 CLEAR 12 4 8 DAYS 1 DAYS	Date	Date Jul					0.16	Depart.					-1.5		-0.5		3.6	Departure
	INCHES >= 1.00 INCHES >= 2.00	INCHES >= 2.00 INCHES	>= 1.00 INCHES	>= 0.10 INCHES	PM >= 0.1	PM	AM	SKY	74.0	-7.6	68.3	9.6	Ave.Low Min	57.4	Ave.Low Max	73.1	s. >= 70°F	Min. Temp
Ave. 19.2 Dep. Dep. PT. CLO. 5 7 HOTTEST 85.4 Highest Lowest CO.	DAYS 1 DAYS 0	DAYS 0 DAYS	1 DAYS	8 DAYS	4 8	4	12	CLEAR	Jul-11	Jul-09	Jul-10	Jul-10	60.0	Jul-11	78.9	Jul-10	19	2022
TOTAL CONTROL	85.4 Highest Lowest COOLEST	Lowest COOLEST 68	4 Highest Lowest	HOTTEST 85.4	7 нотте	7	5	PT. CLO.					Dep.		Dep.		19.2	Ave.
					20 DAY	20	14	CLOUDY							-			
Days Max. <=32 °F 0 MAX. >=100 >=95 >=90 >=85 >=80 >=75 >=70 >=65 >=60 >=55 >=50 >	>=60 >=55 >=50 >=45	>=50 >=45 >=	0 >=55 >=50	>=65 >=60	>=70 >=65	>=70	>=75	>=80	>=85	>=90	>=95	>=100	MAX.			0	<=32 °F	Days Max.
	31 31 31 31		31 31	31 31	31 31	31	30	29		22	5	0				22	>=90°F	Days Max.

PAGE #2	July	2022	West He	nrico Co	Glen Al	llen Wea	ther Cen	ter 37.6	5537° N.	77.56929	° W Ko	ontz									
20	21 22 23 24 25						27	28	29	30	31	32	33	34	35	36	37	38			
July	2nd PE	ERIOD		WIND		REL. HU	JMIDITY		BAROMETRI	C PRESSUR	E					17					
2022	START	END	RUN	MAX.	TIME	MAX.	MIN.	MAX.	MIN.	AVE.	CHANGE	GLAZE	SLEET	SNOW	FOG	K	DEW	FROST			
Jul-01			98.0	17	15:27	94	52	30.16	30.01	30.09	-0.10						Р				
Jul-02		109.8		16	0:11	93	57	30.02	29.93	29.98	-0.11						3				
Jul-03			71.4	17	12:06	93	52	30.13	29.96	30.05	0.07						3				
Jul-04			41.8	12	12:17	94	44	30.21	30.11	30.16	0.11						4				
Jul-05	1730	1735	96.7	18	12:44	87	65	30.15	29.90	30.03	-0.14						1				
Jul-06			51.1	13	21:39	95	60	29.93	29.85	29.89	-0.13						3				
Jul-07			60.3	14	16:12	97	68	30.00	29.88	29.94	0.05						3				
Jul-08			43.1	10	16:10	97	61	30.06	29.95	30.01	0.07						5				
Jul-09	0600	0720	63.0	13	12:48	97	84	30.05	29.90	29.98	-0.03					1	Р				
Jul-10	0810	0825	50.6	12	12:03	99	73	30.08	30.00	30.04	0.06						Р				
Jul-11			38.5	13	23:51	99	41	30.03	29.90	29.97	-0.07						5				
Jul-12			95.5	18	21:08	96	54	29.92	29.79	29.86	-0.11						4				
Jul-13			31.2	36	18:10	97	48	29.96	29.87	29.92	0.06					1	3				
Jul-14			40.5	11	11:42	100	41	30.09	29.94	30.02	0.10				2		Р				
Jul-15			51.6	15	18:08	94	58	30.14	30.07	30.11	0.09						2				
Jul-16			31.8	13	13:40	98	61	30.12	30.01	30.07	-0.04					1	5				
Jul-17			64.6	17	15:23	98	59	30.07	29.97	30.02	-0.05						P				
Jul-18	2320	2340	128.9	21	13:58	90	54	30.01	29.82	29.92	-0.11						1				
Jul-19	lul-19		50.2	11	2:13	93	54	29.93	29.83	29.88	-0.04						N				
Jul-20			53.9	16	14:34	96	42	29.89	29.74	29.82	-0.07						4				
Jul-21			105.2	19	7:56	89	53	29.86	29.72	29.79	-0.02						N				
Jul-22			61.1	16 16:1		97	34	30.02	29.85	29.94	0.15						5				
Jul-23			38.8	29	21:46	95	41	30.14	30.00	30.07	0.13					1	4				
Jul-24			67.2	17	21:28	98	44	30.10	29.98	30.04	-0.03						Р				
Jul-25			126.1	29	17:13	97	58	30.02	29.89	29.96	-0.09					1	N				
Jul-26	1450	1620	43.6	21	14:49	99	70	30.07	29.98	30.03	0.07					1	р				
Jul-27	0500	0525	59.8	14	16:12	99	66	30.02	29.91	29.97	-0.06						р				
Jul-28			65.0	14	16:18	95	58	29.96	29.89	29.93	-0.04						3				
Jul-29	1355	1650	26.0	24	14:06	98	60	30.00	29.88	29.94	0.01					1	4				
Jul-30			46.4	13	12:30	99	45	30.20	29.99	30.10	0.16						5				
Jul-31	1150	1630	17.5	16	11:43	98	63	30.21	30.05	30.13	0.04						3				
TOTAL	Colun	nn 23	1929.2	525		2971	1720	931.55	927.57	929.56	TOTAL	0	0	0	1	7	20	0			
NUMBER	Mar. Wi	nd Run	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	1929.2	62.2	16.9	14:39	95.84	55.48	30.05	29.92	29.99	Depart.	0.0	0.0	0.0	-0.5	0.0	1.4	0.0			
NORMALS	Miles	1429.3	64.5	18.5		92.8	48.6	30.04	29.92	29.98	Rating ►	0	0	0	2	7	70	0			
Departures	Miles	499.9	-2.3	-1.6		3.1	6.9	0.01	0.00	0.00	Intensity	ZE	<u> </u>	≥	O	17	2	st			
		Dates	128.9	36	SSW	100	84	30.21	30.11	30.16	0.16	GLAZI	SLEET	SNOW	70 G	K	Dew	Frost			
	DATES	1	Jul-18	Jul-13	18:10	Jul-14	Jul-09	Jul-04	Jul-04	Jul-04	Jul-30										
		2						Jul-31				5. Very Heavy to Extreme									
	4. Heavy-Unusual																				
Min. Temps.		4			Ave. Max.				3. Moderate - Ave.												
2022		Dates	17.5 10		27.6	87 34		29.86	29.72	29.79	-0.14	2. Light - < Ave.									
Ave.		1	Jul-31	Jul-08	Dep.	Jul-05	Jul-22	Jul-21	Jul-21	Jul-21	Jul-05	, ,	ht - Slight -								
Departure	-0.2	2			8.4							M - Event	with intens	ity missing							
Days Min. <=32 °F 0 ≤75 ≤70 ≤65 ≤60 ≤55 ≤50 ≤45 ≤40 ≤35 N- None No Dew Obs.																					
Days Min	>=70°F	19	29	12	3	1	0	0	0	0	0	P- Precap. prevent obs.									



Page 4	West Henrico Co Glen Allen Weather Center 37.65537° N. 77.56929° W Koontz
41	DAILY RECORDS FOR THE MONTH
July	
2022	The Glen Allen Station had 13 Records or Record Ties in July 2022
1	
2	
3	
4	
5	
6 7	
8	
	The maximum temperature on the 9th was 79.2°F, a new 13-year cool daily maximum temperature record for the date - the old record was 82°F in 2009 and 2008.
	The daily temperature range on the 9th was 12.4°F, a new 13-year LOW daily temperature range record for the date - the old record was 13°F in 2008.
10	The maximum temperature on the 10th was 73.1°F, a new 13-year cool daily maximum temperature record for the date - the old record was 80°F in 2009.
	The daily temperature range on the 10th was 6.7°F, a new 13-year LOW daily temperature range record for the date - the old record was 11°F in 2012 and 2010.
11	The minimum temperature on the 11th was 57.4°F, a new 13-year LOW daily minimum temperature record for the date - the old record was 64°F in 2009.
	The daily temperature range on the 11th was 28.3°F, a new 13-year HIGH daily temperature range record for the date - the old record was 26°F in 2010.
12	
13	
14	
15	The daily temp. range on the 15th was 18.6°F, and EQUALED the, 13-year LOW daily minimum temp.range record for the date - the old record was set in 2015.
16	
17	
18	
19	
20	
21 22	
23	The daily precipitation on the 23rd was 0.86 inches, a new 13-year HIGH daily precipitation record for the date - the old record was 0.74 inches in 2017.
25	The daily temperature range on the 23rd was 27.8°F, a new 13-year HIGH daily temperature range record for the date - the old record was 27.8deg;F in 2010.
24	The daily temperature range on the 24th was 27.9°F, a new 13-year HIGH daily temperature range record for the date - the old record was 25°F in 2010.
25	aa, topotata.o tago on ano 1 mao 1 mao 1 mo 1 mo 1 mo 1 mo 1 mo 1
26	The daily temperature range on the 26th was 14.3°F, a new 13-year LOW daily temperature range record for the date - the old record was 16°F in 2010.
27	
28	
29	
30	
31	The maximum temperature on the 31st was 79.6°F, a new 13-year cool daily maximum temperature record for the date - the old record was 84°F in 2013.
	The daily temperature range on the 31st was 10.2°F, a new 13-year LOW daily temperature range record for the date - the old record was 14°F in 2009.

## **July 2022**

#### Springfield Park, Glen Allen, Virginia

July was the 5<sup>th</sup> wettest and the 7<sup>th</sup> warmest in the past 13 years and the cloudiest July on record mainly because of PM cloudiness. The mean temperature of 80.2 F was very close to the 13-year average of 80.25 F. The highest temperature for July was 98.4 F on the 23<sup>rd</sup> which is the 8<sup>th</sup> highest in the past 13 years for July. This July had 22 days with temperatures of equal to or greater than 90°F which tied for the third highest on record for July.

The high temperature range for July was 28.3F on the 11<sup>th</sup> and the lowest monthly daily temperature range was 9.6 F on the 10<sup>th</sup>. The July 10<sup>th</sup> max. temp. of 73.1 F was the lowest max. ever recorded in July; the previous record was 73.3 F. The daily mean for the 10<sup>th</sup> was 68.3 F which made it the coolest July day in the past 13 years. The average temperature range for July was 20.2 F which is near the 13-year average of 20.4 degrees F. The highest min. temp. was 75.7 F on the 18<sup>th</sup> and 21<sup>st</sup> which was the second lowest on record for July

The Richmond International Airport had 3.66 inches less precip. than Springfield Park. Springfield Park had 5.14 inches of precipitation, a departure of 0.84 inches, and the Richmond International Airport had 1.48 inches, a departure of -2.89 inches. Rainfall from thunderstorms was quite variable for July over the area. Springfield Park had 11 days of measurable precip.

The highest wind gust was 36 mph from the SSW on the 13<sup>th</sup> at 1810 hours, the 2<sup>nd</sup> highest for the 13-year period. The max. daily wind run on the 18<sup>th</sup> was 128.9 miles, the 2<sup>nd</sup> highest on record for July. The total wind run for the month was 1929.2 miles the 3<sup>rd</sup> windiest July on record. The average relative humidity for July was 75.6 percent which was a +4.9% departure which was the 3<sup>rd</sup> highest in the past 13 years. The average dew point for July was 71.6 F which was the 2<sup>nd</sup> highest on record for July.

## **Richmond International Airport**

The Richmond International Airport's average mean temperature was 80.7°F which was a departure of 1.3 F from the average and was the 18<sup>th</sup> warmest since 1897. The highest monthly temperature was 98 F on the 21<sup>st</sup> and 24<sup>th</sup>. The lowest maximum temperature was 73 F on July 10<sup>th</sup> which tied the daily record for the date. The highest daily mean temp. was 86.0 F on the 24<sup>th</sup>. The average maximum temperature was 90.7 F which was a 1.2 F departure. The average minimum was 70.7 F which was a 1.5 F departure for the month. July had 21 days with temperatures of equal to or greater than 90 F and 21 nights the low temperature was 70 F or higher; the average is 14 nights for the period since 1880. The daily temperature range for July was 20.0 F. The maximum daily temperature range for the month was only 26 F on the 17<sup>th</sup>; only 17 years had a lower max. monthly range since 1897. The min. temp. range was 8 degrees F on the 10<sup>th</sup>.

The Airport had 1.48 inches of precipitation which was a departure of -2.89 inches and made July the 11<sup>th</sup> driest July since 1887. The Airport had 11 days with measurable precip. which is average but the most in a day was only **0.40** inches. Only 4 years since 1887 have had a July with such a low daily precip. amount for July.

#### The Richmond International Airport had 1 daily record set in July.

July 10<sup>th</sup> the maximum temp. of **73** F tied the record for lowest max. temp for the date set in 1908. (Note how clearly this low maximum temp. shows up on the Airport's graph)

### ACON - VA/NC/SC

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

## **July 2022**

# **Station summary of Climatological Data**

Observation Times: Temps Recorded 2400 Precipitation Recorded 2400

	Observation Times:	remps Reco	rueu z	400 Precipitation Record	ueu 2400
	TEMPERATURE °F			PRECIPITATION INCHES	
Α	MEAN MAXIMUM	90.32	Т	MONTH TOTAL	5.14
В	MEAN MINIMUM	70.14	U	CALENDAR DAY MAX.	1.00
С	MEAN MONTHLY	80.23	U1	DATE OF MAX.	Jul-29
C1	MEAN TEMP DEP.	0.0	V	24-HR. PERIOD MAX.	1.17
D	MAXIMUM	98.4	V1	DATE(s) OF MAX. PD.	25 <sup>th</sup> - 26 <sup>th</sup>
E	DATE(s) OF MAX.	Jul-23	w	# DAYS > = 0.01"	11
F	MINIMUM	57.4	х	# DAYS > = 1.00"	1
G	DATE(s) OF MIN.	Jul-11	Υ	YR. TO DATE TOT.	27.30
н	# DAYS MAX. > = 90°	22		MAX. 1 HR. PRECIP.	0.86
1	# MAX. < = 32°	0		MAX.5 MIN PRECIP.	0.40
J	MIN. < = 32°	0		SNOWFALL INCHES	
K	MIN. >= 70°	19	Z	DAILY MAXIMUM	0.0
K1	AVE RELATIVE HUMIDITY	75.7	1	DATE OF MAX.	
	WIND MPH		2	DAYS= > TRACE	0.0
L	MAX. GUST	36	3	DAYS > = 1.0"	0.0
M	DIRECT. OF GUST	SSW	4	MONTHLY TOTAL	0.0
N	DATE	Jul-13	5	2021 - 2022 SEASON'S TOT.	10.1
	TIME	18:10		BAROMETER	
	NUMBER DAYS WITH -		6	MAXIMUM	30.21
0	THUNDER	7	6A	DATE	4 <sup>TH</sup> & 31 <sup>ST</sup>
Р	HAIL	0	7	мімімим	29.72
Q	GLAZE	0	7A	DATE	Jul-21
R	ICE PELLETS (SLEET)	0	8	AVE. MONTHLY PRESSURE	29.99

CWA NWS COUNTY WARNING AREA

Henrico

R1 DENSE FOG < = 1/4 MILE

#### SPRINGFIELD PARK'S JULY TEMPERATURE & WIND GRAPH 100 96.2 93.7 93.0 92.3 92.0 92.0 91.9 89.7 89.6 90 79.2 80 75.7 75.7 73.6 73.1 72.8 71.6 72.8 73.1 72.6 73.0 71.9 71.6 71.1 70.6 70.2 70.1 69. 68.2 68.8 69.0 69.2 70 60 50 Temperature in Degrees 40 30 20 10 Max. Wind - Speed mph-Daily Temp Range 2.2 0 0.3 -1.9 -2.2 -5.8 -10 -20 27.9 -30 09 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 04 05 06 07 80 10 11 30 31 **Days of the Month**

High-Departure

**Low-Departure** 

Max-Wind

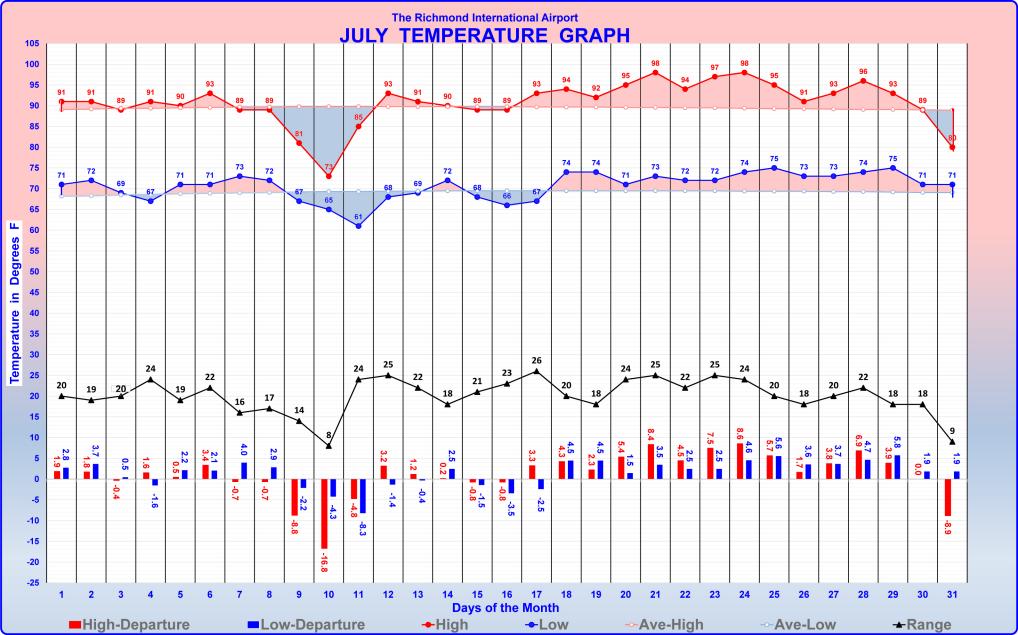
**□**Range

-- High

Low

---Ave-High

---Ave-Low



Springfield Park									MOI	Jul  2022								WS FORM B-91 U.S. DEPARTMENT OF COMMERCE (03-09) NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION															
ST V	ATE A				COU	NTY rico	RIVER																			NATIONAL WEATHER SERVICE							
TII	ME (focal)	OF OBS	OBSERVATION RIVER TEMPERATURE PRECIPITATION MTD										STANDARD TIME IN USE								RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS												
TY	PE OF R	IVER GA	GE	ELEVAT	TON OF										NORMAL POOL STAGE									RECORD OF THE CHIMATOLOGICAL OBSERVATIONS									
Н	TEM	IPERATU		ONOL EL	NO		_	_	_	005/	TIBIT	ATIO	ON									⊢	WEATHER (Observation Day) RIVER STAGE										
Ιŀ	16/4	FEROLIC		24 HR AI	MOUNTS	DUNTS AT OB Draw a straight line () through										for us	es obs	anvert	i avi	a was	ov line	Mar	ork X for all types occu			occurring each day			$\vdash$	1	T	1	
ш	24 HRS E			0 -	- 0		1		(1111	~) the	ough I	ours p	precip	itation	prob	ably oc	cone	d unoi	daenv	id	,			T				9.5	. I	Gage	6		
w.	OBSER\			of the page	2 2 m	87 8	⊏			ΑM	А.			100	N		F	M.					sellets		der		l 6	0 to	Sondition	at	1 5		
ă.	MAX I	MIN	AT OBSN	Rain, snow fin as hund	Snow, pellets, (inc. an	Snow, pellets, ice on orcurd	١.														Fog	B 8		Glaze		Hail		Con Brown	AM	Tend	REMARKS (SPECIAL OBSERVATIONS, ETC.)		
1	92	72		0.00	0.0	0	1	7 2	Η	5 6 T T	7.8	ů	10 1	+	12	7 4	ů	6 7	ů	9 10	7 11		-	-	-	$\vdash$	+	+	+	_	+	Early AM clouds cleared at 0700 and became mostl	
2	92	72			0.0	0	H	+	Н	H	Н	Н	Н	+	Н	+	Н	Н	Н	Н	Н		-	-	-	$\vdash$	+	+	+	_	+	Low stratus clouds start to clear at 0900 but th	
3	88	68			0.0	0	H	+	Н	H	Н	н	Н	+	Н	+	H	Н	Н	Н	Н	$\vdash$	-	-	-	$\vdash$	+	+	+	_	+	A cold front passed at 0900 giving a breezy (17	
H	90	64			0.0	0	H	+	Н	H	Н	+	Н	+	Н	+	Н	Н	Н	Н	+	+	-	$\vdash$	+	+	+	+	+	+	+	Today the sky was clear until 1300 when cumulus	
l;	90	72	_		0.0	0	H	+	Н	H	Н	+	Н	+	Н	_	H	Н	Н	Н	+	+		$\vdash$	+	+	+	+	+	_	+	Today was cloudy and humid with a trace of rain	
H	94	71			0.0	0	H	+	Н	H	Н	+	Н	+	Н	-	H		ш	Н	+	+		$\vdash$	x	$\vdash$	+	+	+	_	+	A cloudy humid day with a max. dew point of 76 d	
7	88	73	_	_	0.0	0	H	+	Н	H	Н	+	Н	+	Н	+	Н	f	H	Н	+	+		$\vdash$	^	+	+	+	+	_	+	A cloudy and very humid day with a max. dew poin	
	90	72	_		0.0	0	Н	+	Н	H	Н	Н	Н	+	Н	+	Н	Н	Н	Н	Н		_	-	-	$\vdash$	+	+	+	+	+	Today was the 3rd consecutive cloudy very humid	
	79	67		_	0.0	0	H	+	Н	H	+	Н	Н	+	Н	+	Н	Н	Н	Н	Н		-	-	х	$\vdash$	+	+	+	_	+	Today 3 thunders were heard 0553, 0557, 0600 and	
10	73	64			0.0	0	Н	+	Н	Ħ	Ŧ	+	Н	+	Н	7	H	Н	HF	н	H		-	-	^	$\vdash$	+	+	+	_	+	Today set a new 13 year daily record low max. te	
1.0	86	57			0.0	0	H	Ŧ	H	++	₩	-	Н	7	Н	Ŧ	Н	н	Н	Н	Н	-	-	-	-	$\vdash$	+	+	+	_	+	The min. temp. on the 11th was 57.4 degrees F at	
12	94	68			0.0	0	+	2 3	4	5 6	7 8	9	10 1	.	1 2	3 4	5	6.7	Ļ	9 10	L		-	$\vdash$	$\vdash$	$\vdash$	+	+	+	_	+	Today was much warmer with a few scattered PM cu	
12	92	69			0.0	0	Η̈́	Ť	m	П	Ť	Ť	T	+	П	Ť	Ť	Ť	Ť	T	Π	-	-	-	x	$\vdash$	+	+	+	_	+	Springfield Park had the most intense rainfall o	
100	91	69			0.0	0	H	+	Н	H	Н	Н	Н	+	Н	+	Н	H	Н	Н	Н	v	-	-	^	$\vdash$	+	+	+	+	+	The AM sky was clear. Cumulus clouds started com	
15	88	69			0.0	0	H	+	Н	H	+	Н	Н	+	Н	+	Н	Н	Н	Н	Н	^	_	-	-		+	+	+	+	+	Today was cloudy or the sun was dimmed passing t	
10	90	67			0.0	0	Н	+	Н	H	Н	Н	Н	+	Н	+	Н	Н	Н	Н	Н	-	-	-	x	$\vdash$	+	+	+	+	+	A strong TS passed to the west of Short Pump the	
100	92	68		_	0.0	0	Н	+	Н	H	+	Н	Н	+	Н			Н	Н	Н	Н		-	$\vdash$	×	$\vdash$	+	+	+	+	+	Today's sky was mostly clear until 0830 then ave	
1	93	76			0.0	0	Н	+	Н	H	Н	Н	Н	+	Н	+	Н	Н	Н	Н	Н		-	$\vdash$	v	$\vdash$	+	+	+	+	+	Today was a windy hot day. Then distant thunde	
10	91	73		_	0.0	0	Н	+	Н	₩	Н	Н	Н	+	Н	+	Н	Н	Н	Н	-		-	$\vdash$	X	$\vdash$	+	+	+	+	+	Today was mostly cloudy and humid with a max. de	
20	96	72			0.0	0	Н	+	Н	₩	Н	Н	Н	+	Н	+	Н	Н	Н	Н	Н		-	$\vdash$	$\vdash$	$\vdash$	+	+	+	+	+	Today's 96.2 degrees F was the highest max. tem	
21	95	76			0.0	0	Н	+	Н	H	+	Н	Н	+	Н	+	Н	Н	Н	Н	Н	$\vdash$	-	$\vdash$	-	$\vdash$	+	+	+	_	+	The AM sky averaged partly cloudy and the PM sky	
21	97	72			0.0	0	H	2 3	ų.	5 6	7 8	4	10 1		1 2	3 4	5	6.7	ų.	9 10	Ц.	$\vdash$	-	$\vdash$	$\vdash$	$\vdash$	+	+	+	+	+	The maximum temperature today was 97.2 degrees F	
22	98	71			0.0	0	Ηí	Ť	Ė	ΤŤ		Ť	Ť	+	ΤÍ	Ť	Ť	ΤÍ	Ť	11	Π	$\vdash$	-	$\vdash$	x	$\vdash$	+	+	+	+	+	TS form just west of Short Pump at 2100 and went	
24	98	70	_		0.0	0	Н	+	Н	H	+	+	Н	+	Н	+	Н	Н	Н	F	F	+	-	$\vdash$	^	+	+	+	+	+	+	Today was clear to 1350 then it became cloudy wi	
25	94	73			0.0	0	Н	+	Н	H	+	+	Н	+	Н	+	H	Н	Н	Н	+	+	-	$\vdash$	x	+	+	+	+	_	+	Today was mostly clear until 1120 when cirrus th	
25	87	73			0.0	0	H	+	Н	₩	+	Н	Н	+	Н	+	H	Ŧ	FH	Н	+	+	-	$\vdash$	×	+	+	+	+	+	+	Today was mostly cloudy with the first thunder a	
27	90	73	-		0.0	0	Н	+	Н	₩	+	H	Ŧ	+	Н	+	H	Ή	FH	Н	+	+	-	$\vdash$	^	+	+	+	+	+	+	Today was cloudy with 5 periods of rain and very	
28	93	74			0.0	0	Н	+	FF	H	+	-	Н	+	Н	+	H	Н	Н	Н	+	+	-	$\vdash$	+	+	+	+	+	+	+	Today's max. dew point was 77 degrees F at 1459	
20	92	73			0.0	0	H	+	Н	₩	+	Н	Н	+	Н	+	Н	+	Н	Н	Н	$\vdash$	-	$\vdash$	v	$\vdash$	+	+	+	+	+	A severe electrical TS passed just to our north	
20	87	70			0.0	0	Н	+	Н	₩	+	+	Н	+	Ħ		FH	+	Н	Н	+	$\vdash$		$\vdash$	1×	$\vdash$	+	+	+	+	+	Today had the lowest max, temp, since the 11th o	
21	80	69			0.0	0	Н	+	Н	₩	+	Н	Н	+	Н	+	Н	Н	Н	Н	Н	$\vdash$	-	$\vdash$	$\vdash$	$\vdash$	+	+	+	+	+	Today had an AM shower from 0855 to 0920 of 0.01	
H	90.3	70.2	_	5.14	0.0	Ň	CHECK BAR (for wire weight) NORM							NORMAL CHECK BAR					$\vdash$	-	$\vdash$	-	$\vdash$	+	+		$\star$	*					
							READING CHECK BAR (for wire weig							DATE						8	8	laze	punq	78	8		$\times$	$\times$	ΙX				
							_	_	DATE:										8 8 8 6 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8							·							
A.	A. Obstructed by rough ice E. Ice gorge below gage B. Frozen, but open at gage F. Shore ice															1																	
C. Upper surface smooth ice G. Floating ice														+	+																	STATION INDEX NO.	
LD.	D. Ice gorge above gage H. Pool stage													I							AKÇ	SUPERVISING OFFICE AKQ Wakefield									44-7998-02		