

July 2019	2nd PERIOD		WIND			REL. HUMIDITY		BAROMETRIC PRESSURE				Weather					
	START	END	RUN	MAX.	TIME	MAX.	MIN.	MAX.	MIN.	AVE.	CHANGE	GLAZE	SLEET	SNOW	FOG	DEW	FROST
Jul-01			54.8	13	9:16	84	42	30.01	29.89	29.95	0.04					2	
Jul-02			43.4	12	9:47	94	47	29.97	29.83	29.90	-0.05					3	
Jul-03			40.3	19	18:48	93	46	29.96	29.84	29.90	0.00					3	
Jul-04	1455	2125	36.3	15	16:24	95	56	30.09	29.93	30.01	0.11				3	1	
Jul-05			38.5	11	14:38	98	63	30.14	30.03	30.09	0.08				2	P	
Jul-06	1630	1640	71.9	20	13:34	95	72	30.07	29.88	29.98	-0.11					3	3
Jul-07			41.5	21	18:04	95	65	29.93	29.82	29.88	-0.10					2	P
Jul-08			54.3	19	13:30	97	74	30.01	29.83	29.92	0.05						P
Jul-09			51.5	12	15:07	96	57	30.11	30.01	30.06	0.14						P
Jul-10			46.5	11	14:30	89	48	30.10	29.99	30.05	-0.02						N
Jul-11			74.5	30	19:00	96	65	30.11	29.80	29.96	-0.09					3	3
Jul-12			44.5	15	18:30	97	58	29.91	29.81	29.86	-0.09						P
Jul-13			36.3	13	14:56	95	49	30.03	29.90	29.97	0.11						2
Jul-14			29.7	12	14:18	95	49	30.06	29.97	30.02	0.05						4
Jul-15			49.3	11	10:50	88	49	30.12	30.02	30.07	0.05						1
Jul-16	2345	2350	35.0	16	18:21	92	54	30.10	30.00	30.05	-0.02					2	3
Jul-17			86.6	22	15:55	92	49	30.05	29.89	29.97	-0.08						P
Jul-18			76.1	16	14:54	92	55	29.93	29.84	29.89	-0.09					1	N
Jul-19			36.5	11	16:31	95	55	29.98	29.89	29.94	0.05						P
Jul-20			63.2	17	17:50	92	46	29.97	29.86	29.92	-0.02						3
Jul-21			53.4	22	16:32	90	42	29.93	29.88	29.91	-0.01					1	2
Jul-22	2100	2310	107.1	27	13:26	92	52	29.91	29.80	29.86	-0.05					1	3
Jul-23	0400	1740	45.1	15	0:10	97	79	29.95	29.81	29.88	0.02						P
Jul-24			59.8	15	16:08	98	49	30.05	29.88	29.97	0.09						5
Jul-25			46.0	14	12:53	95	46	30.19	30.04	30.12	0.15						4
Jul-26			40.4	12	15:16	95	38	30.28	30.19	30.24	0.12						4
Jul-27			40.5	12	19:17	94	39	30.31	30.17	30.24	0.01						3
Jul-28			60.0	12	9:36	89	42	30.21	30.06	30.14	-0.11						2
Jul-29			78.7	21	16:48	83	43	30.10	29.98	30.04	-0.09						1
Jul-30			91.3	16	17:50	82	39	30.05	29.94	30.00	-0.04						1
Jul-31	2015	2020	48.2	23	18:03	92	42	30.09	29.97	30.03	0.04					1	3

TOTAL	Column 23	1681.2	505		2877	1610	931.72	927.75	929.74	TOTAL	0	0	0	1	9	21	0	
NUMBER	Mar. Wind Run	31	31	31	31	31	31	31	31	Normal	0.0	0.0	0.0	1.7	6.9	17.8	0.0	
AVE.	Total	1681.2	54.2	16.3	14:51	92.81	51.94	30.06	29.93	29.99	Depart.	0.0	0.0	0.0	-0.7	2.1	3.2	0.0
NORMALS	Miles	1304.1	60.6	18.9		92.6	47.7	30.03	29.92	29.98	Rating ▶	0	0	0	2	17	56	0
Departures	Miles	377.1	-6.3	-2.6		0.2	4.2	0.02	0.01	0.01	Intensity	GLAZE	SLEET	SNOW	FOG	R	Dew	Frost
MAXIMUM DATES	Dates	107.1	30	NNW	98	79	30.31	30.19	30.24	0.15								
	1	Jul-22	Jul-11	19:00	Jul-05	Jul-23	Jul-27	Jul-26	Jul-27	Jul-25								
	2				Jul-24													
	3																	
	4																	
Min. Temps. >= 70°F	Dates	29.7	11	28.4	82	38	29.91	29.80	29.86	-0.11								
2019 20	1	Jul-14	Jul-05	Dep.	Jul-30	Jul-26	Jul-12	Jul-11	Jul-22	Jul-06								
Ave. 18.5	2		Jul-10	1.6			Jul-22	Jul-22										
Departure 1.5																		
Days Min. <=32 °F	0	≤ 75	≤ 70	≤ 65	≤ 60	≤ 55	≤ 50	≤ 45	≤ 40	≤ 35								
Days Min >=70°F	20	26	11	3	0	0	0	0	0	0								

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.

July 2019	REMARKS FOR THE MONTH July - 2019
Jul-01	MUCH COOLER TODAY AND MOSTLY CLEAR WITH LOW RH-MIN. DEW POINT 59.3°F AT 0554
Jul-02	COOL EARLY AM BUT HOT PM-LARGE TEMP. RANGE AND VERY DRY CURRENTLY 11 DAYS WITHOUT MEASURABLE PRECIP.
Jul-03	CLOUDS DIDN'T COME IN UNTIL AROUND 1645-SHOWER PASSED A LITTLE SOUTH OF STATION-HOTTEST DAY OF 2019 & HOTTEST SINCE JULY 22, 2017 WHEN MAX. TEMP. WAS 98.8°F
Jul-04	TS RATED 3-1-4-LIGHTNING FOR 2-3 HOURS BUT NOT A SEVERE TS-TS MOVED VERY SLOWLY
Jul-05	SLOW CLEARING OF AM FOG CLOUDS & PM WAS PC-VERY HUMID MAX. DEW POINT 78.2°F AT 1515
Jul-06	TS RATED 3-2-1-AM CIRRUS & ALTOCUMULUS-THUNDER OVER A LONG PD. OF TIME IN PM-CLEAR 1815 TO DARK-PM EST. 55-65% CLOUDY
Jul-07	TS RATED 2-3-2-MOSTLY CLOUDY ALL DAY PLUS TS IN EVENING THAT ENDED BEFORE MIDNIGHT
Jul-08	AM WAS CLOUDY AND LOOKED LIKE IT WOULD RAIN BUT RAIN HELD OFF UNTIL EARLY PM
Jul-09	A CLEAR DAY PARTICULARLY THE AM-PM HAD SCATTERED FAIR WEATHER CUMULUS
Jul-10	ALTOCUMULUS THAT CLEARED BY NOON-CLOUDS CONTINUED TO DECREASE DURING PM
Jul-11	TS RATED 3-3-3-CLEAR TO 0835 THEN ALTOCUMULUS CAME IN AND PM WAS CLOUDY WITH EARLY EVENING TS
Jul-12	LOW AM CLOUDS CLEARED AROUND 0950 & WAS PC TO NOON & PM WAS PC WITH CUMULUS
Jul-13	DEW OBS. IS AN EST.-SOME SCATTERED CUMULUS MAINLY IN PM AND AM WAS VERY CLEAR-PM WAS ALSO CLEAR
Jul-14	ONLY SOME THIN CIRRUS DURING DAY BUT SKY HAD A LITTLE HAZE TODAY
Jul-15	SCATTERED AM AND PM CIRRUS WITH LOWER RH TODAY BUT HEAT WAVE IS COMING
Jul-16	ALTOCUMULUS AT 0845 THAT BECAME A SOLID OVERCAST-TS RATED 2-2-1 NOT ENOUGH RAIN FOR AMT. OF THUNDER
Jul-17	ONLY CIRRUS CLOUDS AND SOME HAZE TO 1130 THEN CLOUDY FROM 1700 TO SUNSET-TS TO NORTH AND SOUTH OF STATION IN PM-NO TS HERE
Jul-18	TS RATED 1-1-1 RAINBOW FROM 2019-2025 - WIND OVERNIGHT PREVENTED EARLY MORNING DEW-VERY CLEAR AM-CUMULUS CAME IN AT 1115 GIVING A CLOUDY PM
Jul-19	AM WAS VERY CLEAR ONLY A FEW CLOUDS AROUND NOON-VERY HUMID MAX. DEW POINT 80.6°F AT 1053
Jul-20	EXTREME HEAT-HOTTEST SINCE JULY 8, 2012 WHEN WE HAD 105.1°F REC. FOR THIS STATION-MAX. DEW POINT WAS 80.7°F AT 1214
Jul-21	TS RATED 1-2-1-EXTREME HEAT HOTTEST SINCE JULY 8, 2012 WHEN IT WAS 105.1°F REC. FOR THIS STATION-MAX. DEW POINT 80.3°F AT 0945
Jul-22	COOLER TODAY WITH CLEAR AM SKY-CLOUDS AFTER 1230 & THEN CLOUDY BY 1400-THUNDER HEARD TWICE AROUND 1945-TS RATED 1-2-1 ONLY TRACE OF RAIN
Jul-23	AN ALL DAY LIGHT RAIN-HIGH TEMP. AT MIDNIGHT MUCH COOLER TODAY AFTER 13 DAYS OF 90 AND 90+ TEMPS. -NO TS
Jul-24	VERY HEAVY DEW AS VINYL SIDING OF HOME WAS DRIPPING WITH CONDENSATION-CLEAR DAY EXCEPT BET. 1400-1500
Jul-25	CLEAR TO 1240 THEN CUMULUS CAME IN-LOW RH AND A PLEASANT DAY FOR JULY FOR A CHANGE
Jul-26	CUMULUS CLOUDS CAME IN AROUND 1130 AND PM WAS PC-RH WAS LOW WITH A MIN. RH OF 38%
Jul-27	CLOUDY FROM 1300-1440 & FROM 1800-SUNSET WHICH MADE PM PARTLY CLOUDY-AGAIN LOW RH
Jul-28	MUCH WARMER TODAY AND A LITTLE INCREASE IN HUMIDITY-SHOWERS PASSED TO SOUTH AROUND 1800-NONE HERE
Jul-29	ONLY DEW ON GRASS DUE TO LIGHT NIGHT TIME BREEZE-CUMULUS CAME IN AT 1300-HOT BUT STILL LOW RH
Jul-30	ONLY A LIGHT DEW ON GRASS-CUMULUS CAME IN AT 1230-MIN. RH WAS 39%-MIN. DEW POINT WAS 64.9°F AT 1506
Jul-31	STILL ABOVE AVE. TEMP. WITH CF APPROACHING & AFTERNOON SCATTERED TS ONLY A TRACE HERE-A GUST FRONT FROM NEAR TS THIS EVENING- TS RATED 1-3-1- TWO THUNDERS HEARD
DATE	EXTENSION OF LENGTHY DAILY REMARKS
<p>ALL DEW POINTS THIS MONTH AND THE SUMMER ARE REDUCED BY 2 DEGREES F AS THE DAVIS INSTRUMENT OVERRATES DEW POINTS.</p>	
<p>The daily records for the month are listed on page # 4 and not found in the remarks.</p>	
<p>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</p>	
<p>Rules for making Observations in 2019</p>	

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DAILY RECORDS FOR THE MONTH

July
2019

The Glen Allen Station had 19 Records or Record Ties in July 2019

1

2

3

4

The minimum temperature on the 4th was 73.5°F, a new 11-year warm daily minimum temperature record for the date - the old record was 73.3°F in 2018.

5

6

7

The daily precipitation on the 7th was 0.34 inches, a new 11-year HIGH daily precipitation record for the date - the old record was 0.10 inches in 2008.

8

9

10

11

The daily precipitation on the 11th was 0.62 inches, a new 11-year HIGH daily precipitation record for the date - the old record was 0.44 inches in 2015.

12

13

14

15

16

17

The minimum temperature on the 17th was 75.9°F, a new 11-year warm daily minimum temperature record for the date - the old record was 74°F in 2010 and 2009.

18

The minimum temperature on the 18th was 76.8°F, a new 11-year warm daily minimum temperature record for the date - the old record was 75°F in 2012.

19

The maximum temperature on the 19th was 96.8°F, a new 11-year daily HIGH maximum temperature record for the date - the old record was 96.4°F in 2017.

20

The minimum temperature on the 20th was 78°F, a new 11-year warm daily minimum temperature record for the date - the old record was 77°F in 2013.

The maximum temperature on the 20th was 100°F, a new 11-year daily HIGH maximum temperature record for the date - the old record was 98°F in 2008.

Remark- The maximum temperature of 100.0°F on the 20th was the highest since July 8, 2012 when it was 105.1°F.

21

The minimum temperature on the 21st was 77°F, a new 11-year warm daily minimum temperature record for the date - the old record was 76°F in 2011.

The maximum temperature on the 21st was 102.6°F, a new 11-year daily HIGH maximum temperature record for the date - the old record was 99°F in 2011.

The daily temperature range on the 21st was 25.6°F, a new 11-year HIGH daily temperature range record for the date - the old record was 24.5°F in 2017.

22

23

The maximum temperature on the 23rd was 78.9°F, a new 11-year cool daily maximum temperature record for the date - the old record was 83°F in 2018.

24

The minimum temperature on the 24th was 64.5°F, a new 11-year LOW daily minimum temperature record for the date - the old record was 65.7°F in 2015.

25

26

The daily temperature range on the 26th was 25.1°F, a new 11-year HIGH daily temperature range record for the date - the old record was 25°F in 2013 and 2012.

27

The daily temperature range on the 27th was 26.3°F, a new 11-year HIGH daily temperature range record for the date - the old record was 25°F in 2012.

The minimum temperature on the 27th was 65.3°F, a new 11-year LOW daily minimum temperature record for the date - the old record was 67°F in 2013.

28

The daily temperature range on the 28th was 26.9°F, a new 11-year HIGH daily temperature range record for the date - the old record was 25°F in 2012.

29

30

The maximum temperature on the 30th was 96.3°F, a new 11-year daily HIGH maximum temperature record for the date - the old record was 96°F in 2008.

31

The maximum temperature on the 31st was 94.7°F, a new 11-year daily HIGH maximum temperature record for the date - the old record was 91°F in 2008.

JULY TEMPERATURE GRAPH

