

20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	
July 2018	2nd PERIOD		WIND			REL. HUMIDITY		BAROMETRIC PRESSURE				GLAZE	SLEET	SNOW	FOG	K	DEW	FROST	
	START	END	RUN	MAX.	TIME	MAX.	MIN.	MAX.	MIN.	AVE.	CHANGE								
Jul-01			27.4	10	15:56	97	42	30.10	30.01	30.06	-0.02						4		
Jul-02			41.6	12	14:12	94	51	30.09	30.02	30.06	0.00						3		
Jul-03			43.3	11	14:14	95	54	30.20	30.08	30.14	0.09						3		
Jul-04			46.9	12	14:27	95	58	30.27	30.19	30.23	0.09						3		
Jul-05			34.4	12	20:47	96	54	30.31	30.17	30.24	0.01						4		
Jul-06	1610	1650	77.8	17	15:52	96	66	30.19	30.04	30.12	-0.13					2	1		
Jul-07			103.2	18	5:56	97	58	30.31	30.11	30.21	0.09						P		
Jul-08			85.4	17	10:46	92	46	30.35	30.26	30.31	0.09						4		
Jul-09			32.6	11	10:05	99	39	30.30	30.10	30.20	-0.10						5		
Jul-10			28.4	13	14:58	96	43	30.11	29.90	30.01	-0.20						4		
Jul-11	1918	1923	31.9	13	14:01	95	59	30.03	29.90	29.97	-0.04					1	3		
Jul-12			73.8	15	14:33	96	54	30.18	30.02	30.10	0.14						P		
Jul-13			57.5	14	15:20	98	49	30.23	30.15	30.19	0.09						5		
Jul-14			40.4	14	15:30	97	35	30.22	30.07	30.15	-0.04						4		
Jul-15			67.4	14	13:42	92	51	30.11	29.96	30.04	-0.11						2		
Jul-16			84.0	17	17:00	82	55	30.02	29.92	29.97	-0.07						N		
Jul-17	1510	2135	100.6	24	17:06	97	63	29.95	29.78	29.87	-0.10					3	N		
Jul-18			57.6	15	17:35	97	46	30.00	29.88	29.94	0.07						P		
Jul-19			47.3	12	13:38	93	41	30.10	30.00	30.05	0.11						3		
Jul-20			55.0	13	17:31	97	46	30.12	30.00	30.06	0.01						4		
Jul-21	2110	2315	82.9	17	16:54	97	79	30.01	29.70	29.86	-0.21						N		
Jul-22	1730	1735	42.3	32	17:08	99	69	29.86	29.73	29.80	-0.06					1	P		
Jul-23	0725	0820	79.1	18	12:26	97	76	30.02	29.83	29.93	0.13					2	P		
Jul-24	1405	1645	78.5	20	13:01	97	86	30.03	29.95	29.99	0.07						P		
Jul-25	1500	1730	66.0	24	15:29	96	74	29.99	29.84	29.92	-0.08					1	3		
Jul-26			29.7	10	15:51	100	59	29.98	29.88	29.93	0.02				5		4		
Jul-27	1745	1815	30.9	24	13:20	97	58	30.01	29.95	29.98	0.05					1	3	4	
Jul-28			27.8	11	18:42	98	60	30.07	29.96	30.02	0.04				1	1	P		
Jul-29			50.0	11	7:56	97	62	30.13	30.05	30.09	0.07						5		
Jul-30	0810	1015	38.1	13	17:25	97	85	30.11	30.04	30.08	-0.02						P		
Jul-31	1840	2020	26.5	12	16:55	98	71	30.10	30.01	30.06	-0.02						P		
TOTAL	Column 23		1688.3	476		2974	1789	933.50	929.50	931.50	TOTAL	0	0	0	2	8	19	0	
NUMBER	Mar. Wind Run		31	31	31	31	31	31	31	31	Normal	0.0	0.0	0.0	1.7	6.8	17.7	0.0	
AVE.	Total		1688.3	54.5	15.4	14:46	95.94	57.71	30.11	29.98	30.05	Depart.	0.0	0.0	0.0	0.3	1.2	1.3	0.0
NORMALS	Miles		1244.7	57.7	18.9		92.3	46.7	30.03	29.91	29.97	Rating ▶	0	0	0	6	14	68	0
Departures	Miles		443.6	-3.2	-3.6		3.7	11.0	0.09	0.07	0.07	Intensity	GLAZE	SLEET	SNOW	FOG	K	Dew	Frost
MAXIMUM DATES		Dates	103.2	32	SE	100	86	30.35	30.26	30.31	0.14	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	Jul-07	Jul-22	17:08	Jul-26	Jul-24	Jul-08	Jul-08	Jul-08	Jul-12								
		2																	
		3																	
		4			Ave. Max.														
MINIMUM DATES		Dates	26.5	10	28.0	82	35	29.86	29.70	29.80	-0.21								
		1	Jul-31	Jul-01	Dep.	Jul-16	Jul-14	Jul-22	Jul-21	Jul-22	Jul-21								
		2			4.0														
Days Min. <=32 °F		0	<= 75	<= 70	<= 65	<= 60	<= 55	<= 50	<= 45	<= 40	<= 35								
Days Min >=70°F		17	28	15	7	2	0	0	0	0	0								

REMARKS FOR THE MONTH

July - 2018

July 2018	
Jul-01	VERY CLEAR AM THEN CUMULUS CAME IN AROUND NOON THEN A MIXTURE OF CUMULUS AND CIRRUS
Jul-02	VERY HOT DAY AND MOSTLY CLEAR EXCEPT A FEW FAIR WEATHER CUMULUS FROM NOON TO 1500
Jul-03	AM CLEAR UNTIL 0920 AND MOSTLY CLOUDY 0930 TO 1030 WITH ALTOCUMULUS & MOSTLY CLOUDY THEN PARTLY CLOUDY TO 1630 THEN CLEAR TO DARK
Jul-04	PARTLY CLOUDY WITH CIRRUS TO 0850 THEN PARTLY CLOUDY WITH CUMULUS FROM 0850 TO 1900 THEN CLOUDY WITH CIRRUS UNTIL 2030 FOLLOWED BY CLEAR UNTIL DARK
Jul-05	CUMULUS ALL DAY WITH A HIGH DEW POINT OF 76.6°F AT 1424 AND NO RAIN FOR THE PAST 11 DAYS
Jul-06	3RD PD. OF RAIN 1840-1930, 4TH PD 2030-2210-TS RATING 2-2-2
Jul-07	STATIONARY FRONT NOW TO SOUTH IN NC ORIGINATING FROM COLD FRONT THAT PASSED GLEN ALLEN
Jul-08	COOL AM - COOLEST SINCE MAY 9, 2018 WHEN IT WAS 48.8°F-VERY CLEAR & A VERY HEAVY DEW
Jul-09	VERY COOL FOR JULY-ONLY JULY 5, 2014 WAS COOLER BY 1.6°F & A VERY CLEAR DAY
Jul-10	BACK TO JULY HIGH TEMPS. BUT REL. HUMIDITY IS STILL LOWER THAN AVERAGE FOR JULY
Jul-11	3RD PD. OF RAIN WITH THUNDER 2110-2200-AM WAS ABOUT 50-60% CLOUDY & PM WAS 75-80% CLOUDY- TS RATING 1-2-2
Jul-12	MOSTLY SUNNY EXCEPT CUMULUS FROM 1015-1500-AM EST. 15-25% AND PM EST. 25-35% CLOUDY
Jul-13	CLOUDY TO 1000 THEN PC TO MOSTLY TO 1200-PM MOSTLY CLOUDY TO 1400 & PC WITH CUMULUS TO 1650 THEN CIRRUS
Jul-14	VERY CLEAR DAY - NO CLOUDS SEEN-AM COOL WITH A LOW DEW POINT OF 57°F AT 1152 & TODAY HAD A LARGE TEMP. RANGE
Jul-15	MUCH WARMER TODAY WITH A MAX. DEW POINT OF 76.6°F WITH CIRRUS IN AM & ALMOSTLY COMPLETE SKY COVERAGE BUT SOME SOLAR ENERGY PASSING THROUGH
Jul-16	HOT WITH A 78°F DEW POINT AT 1413-CLOUDY AM WITH CLOUDS STARTING TO CLEAR AT 1120
Jul-17	THUNDER TO NORTH AT ABOUT 1400 & THEN TO WEST 1500-1600- TS RATING 3-3-3
Jul-18	COLD FRONT PASSAGE AT 0330-EARLY FIBROUS THIN CIRRUS CLOUDS THAT CLEARED AT 0915 & A PLEASANT JULY DAY FOR GLEN ALLEN
Jul-19	DEW WAS RATED AS A STRONG 3-10 YEAR REC. LOW MIN.-AM PARTLY CLOUDY WITH MOSTLY CIRRUS AND PM WAS CLOUDY WITH CUMULUS, CIRROSTRATUS AND ALTOSTRATUS
Jul-20	CLOUDY WITH COOLER THAN AVERAGE TEMP.
Jul-21	AN ALL DAY RAIN WITH COOL PLEASANT TEMPS. & A BREEZY PM FROM A COASTAL LOW
Jul-22	3RD PD. OF PRECIP. 2005-2025-CLOUDY MOST OF DAY-ONE THUNDER HEARD - TS RATING 1-4-2
Jul-23	LIGHTNING 0456-0530, TS RATED 2-2-2 - 3RD PD. OF SPRINKLES 1320-1540- CLOUDY MOST OF DAY AND VERY HUMID MAX. DEW POINT 74.7°F
Jul-24	3RD PD. OF DRIZZLE 0905-1910 AND 1955-2000 BUT VERY LITTLE RAIN TODAY
Jul-25	3RD RAIN PD. 2000-2020 BUT HEAVY RAIN BET. 1530-1600 - TS rating 1-3-3
Jul-26	VERY HEAVY FOG - MOST SUN SINCE JULY 19TH AND WARMEST SINCE 17TH
Jul-27	TS RATING 3-3-1 PASSED TO NW AND NORTH- AVE. AMOUNT OF THUNDER BUT AT A DISTANCE WITH LITTLE RAIN-VERY HUMID MAX. DEW POINT 78.9°F AT 1215
Jul-28	NOT AS WARM BUT STILL HUMID AND CLOUDY PM WITH TS RATING 1-2-2
Jul-29	AFTER A CLOUDY AM THE SKY BECAME PC FROM 1430-1615 THEN CLOUDY BETWEEN 1800-1900-PM EST. 60-70% CLOUDY
Jul-30	3RD PD. OF PRECIP. 1220-1310, 4TH PD. 1430-1605-A RAINY DAY WITH HIGH DEW POINT OF 73.5°F - LOW TEMP. BUT NOT COMFORTABLE BECAUSE OF DEW POINT
Jul-31	THE MAX. TEMPERATURE WAS LESS THAN AVEAGE FOR THE DATE BUT WITH THE HIGH HUMIDITY AND DEW POINT OF 77.2°F IT WAS STILL UNCOMFORTABLE - 3RD PERIOD OF RAIN 2240 TO 2400

DATE

EXTENSION OF LENGTHY DAILY 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

[www.glenallenweather.com/upload/glenallenclimate/log/2016/2016 Obs Rules.pdf](http://www.glenallenweather.com/upload/glenallenclimate/log/2016/2016%20Obs%20Rules.pdf)

DAILY RECORDS FOR THE MONTH

41

July
2018

The Glen Allen Station had 29 Records or Record Ties in July 2018

1

2

3

The minimum temperature on the 3rd was 76.9°F, a new 10-year warm daily minimum temperature record for the date - the old record was 73°F in 2014.

4

The minimum temperature on the 4th was 73.3°F, a new 10-year warm daily minimum temperature record for the date - the old record was 73°F in 2013.

5

6

7

The maximum temperature on the 7th was 79.4°F, a new 10-year cool daily maximum temperature record for the date - the old record was 86°F in 2008.

8

The minimum temperature on the 8th was 56.1°F, a new 10-year LOW daily minimum temperature record for the date - the old record was 66°F in 2009.

The maximum temperature on the 8th was 82.2°F, a new 10-year cold daily maximum temperature record for the date - the old record was 84°F in 2009.

9

The minimum temperature on the 9th was 55.8°F, a new 10-year LOW daily minimum temperature record for the date - the old record was 63°F in 2009.

The daily temperature range on the 9th was 31.4°F, a new 10-year HIGH daily temperature range record for the date - the old record was 23.3°F in 2017.

10

The minimum temperature on the 10th was 62.6°F, a new 10-year LOW daily minimum temperature record for the date - the old record was 65°F in 2009.

The maximum temperature on the 10th was 93.1°F, a new 10-year daily HIGH maximum temperature record for the date - the old record was 91.4°F in 2017.

The daily temperature range on the 10th was 30.5°F, a new 10-year HIGH daily temperature range record for the date - the old record was 24°F in 2011.

11

12

13

14

The minimum temperature on the 14th was 60.2°F, a new 10-year LOW daily minimum temperature record for the date - the old record was 64°F in 2009.

The daily temperature range on the 14th was 29.6°F, a new 10-year HIGH daily temperature range record for the date - the old record was 24.7°F in 2016.

15

16

17

18

The maximum temperature on the 18th was 86°F, a new 10-year cool daily maximum temperature record for the date - the old record was 87°F in 2014.

19

The minimum temperature on the 19th was 62.8°F, a new 10-year LOW daily minimum temperature record for the date - the old record was 64°F in 2009.

20

21

The daily precipitation on the 21st was 1.15 inches, a new 10-year HIGH daily precipitation record for the date - the old record was 0.52 inches in 2013.

The maximum temperature on the 21st was 74.4°F, a new 10-year cool daily maximum temperature record for the date - the old record was 78°F in 2012.

22

The minimum temperature on the 22nd was 64.2°F, a new 10-year LOW daily minimum temperature record for the date - the old record was 68.9°F in 2015.

The daily precipitation on the 22nd was 0.11 inches, a new 10-year HIGH daily precipitation record for the date - the old record was 0.02 inches in 2012.

The maximum temperature on the 22nd was 84.5°F, a new 10-year cool daily maximum temperature record for the date - the old record was 85°F in 2012.

23

The maximum temperature on the 23rd was 83°F, a new 10-year cool daily maximum temperature record for the date - the old record was 86.4°F in 2015.

The daily temperature range on the 23rd was 11.7°F, a new 10-year LOW daily temperature range record for the date - the old record was 16°F in 2013 and 2009.

24

The maximum temperature on the 24th was 79.8°F, a new 10-year cool daily maximum temperature record for the date - the old record was 84°F in 2014.

The daily temperature range on the 24th was 6.3°F, a new 10-year LOW daily temperature range record for the date - the old record was 16°F in 2013.

25

The daily precipitation on the 25th was 0.87 inches, a new 10-year HIGH daily precipitation record for the date - the old record was 0.10 inches in 2011.

The daily temperature range on the 25th was 14.0°F, a new 10-year LOW daily temperature range record for the date - the old record was 15°F in 2013.

26

27

28

The maximum temperature on the 28th was 86.9°F, a new 10-year cool daily maximum temperature record for the date - the old record was 87.3°F in 2015.

The daily temperature range on the 28th was 15°F, a new 10-year LOW daily temperature range record for the date - the old record was 15.6°F in 2015.

29

30

The maximum temperature on the 30th was 78.2°F, a new 10-year cool daily maximum temperature record for the date - the old record was 81.7°F in 2017.

The daily temperature range on the 30th was 5°F, a new 10-year LOW daily temperature range record for the date - the old record was 11.2°F in 2016.

31

JULY TEMPERATURE GRAPH

