

Aug 2017		Week Day		TEMPERATURE °F			TEMPERATURE °F				SKY		PRECIPITATION			FROZ. PRECIP.		1st PERIOD	
Aug 2017	Week Day	MAX.	Time	MIN.	Time	RANGE	MEAN	CHANGE	SOIL	AM	PM	Liquid	1 Hr.	5 Min.	NEW	GROUND	START	END	
Aug-01	Tue	90.3	12:13	63.4	6:26	26.9	76.9	4.0	76	0	2	T	T	T			1849	1950	
Aug-02	Wed	90.4	16:00	68.8	5:04	21.6	79.6	2.8	77	1	2								
Aug-03	Thu	93.0	16:01	68.9	6:08	24.1	81.0	1.4	78	0	1	0.20	0.20	0.14			1818	1845	
Aug-04	Fri	92.0	15:29	70.3	6:31	21.7	81.2	0.2	78	0	0								
Aug-05	Sat	86.5	15:05	65.7	23:54	20.8	76.1	-5.1	78	2	0								
Aug-06	Sun	87.9	16:14	58.5	6:01	29.4	73.2	-2.9	76	0	1								
Aug-07	Mon	86.3	16:50	71.5	23:28	14.8	78.9	5.7	77	2	2	0.65	0.25	0.05			0725	1345	
Aug-08	Tue	79.4	16:25	64.7	23:55	14.7	72.1	-6.8	77	2	2	0.22	0.15	0.02			0001	0630	
Aug-09	Wed	85.1	15:53	60.7	6:26	24.4	72.9	0.8	75	0	1								
Aug-10	Thu	85.7	14:04	60.6	6:42	25.1	73.2	0.3	75	0	0								
Aug-11	Fri	87.4	14:38	67.4	4:36	20	77.4	4.3	76	2	2	0.01	0.01	0.01			1203	1208	
Aug-12	Sat	86.6	16:24	73.0	8:43	13.6	79.8	2.4	77	2	2	0.26	0.21	0.04			0001	0015	
Aug-13	Sun	84.4	15:59	68.7	23:19	15.7	76.6	-3.2	78	2	1	0.05	0.05	0.02			0050	0135	
Aug-14	Mon	85.4	13:57	65.4	4:26	20	75.4	-1.2	76	2	2								
Aug-15	Tue	87.1	14:14	73.9	23:57	13.2	80.5	5.1	77	2	2	0.37	0.16	0.05			0555	0600	
Aug-16	Wed	91.0	14:38	70.2	6:34	20.8	80.6	0.1	78	2	1								
Aug-17	Thu	88.1	15:19	71.1	6:29	17	79.6	-1.0	78	1	0	T	T	T			1102	1105	
Aug-18	Fri	94.0	14:43	74.8	6:06	19.2	84.4	4.8	79	1	1	0.43	0.41	0.19			1906	2045	
Aug-19	Sat	89.9	14:56	74.4	23:54	15.5	82.2	-2.3	79	1	1	0.17	0.16	0.03			0010	0145	
Aug-20	Sun	89.1	17:02	69.4	6:46	19.7	79.3	-2.9	79	0	0								
Aug-21	Mon	92.4	13:02	73.5	6:09	18.9	83.0	3.7	79	0	1								
Aug-22	Tue	93.6	14:00	72.5	6:17	21.1	83.1	0.1	79	0	0								
Aug-23	Wed	85.7	11:45	67.5	23:55	18.2	76.6	-6.5	80	2	2	0.11	0.07	0.03			1325	1525	
Aug-24	Thu	82.0	14:54	65.6	23:59	16.4	73.8	-2.8	77	2	2								
Aug-25	Fri	82.1	14:53	63.1	4:17	19	72.6	-1.2	76	1	1								
Aug-26	Sat	83.6	13:13	60.4	5:56	23.2	72.0	-0.6	75	0	1								
Aug-27	Sun	79.8	13:05	61.0	6:57	18.8	70.4	-1.6	75	0	1								
Aug-28	Mon	80.2	15:01	57.9	4:20	22.3	69.1	-1.4	73	2	2	T	T	T			1730	1735	
Aug-29	Tue	68.3	0:01	62.6	5:15	5.7	65.5	-3.6	73	2	2	0.71	0.14	0.02			0020	0030	
Aug-30	Wed	80.2	14:50	59.5	7:13	20.7	69.9	4.4	72	1	1								
Aug-31	Thu	88.3	14:30	63.9	6:54	24.4	76.1	6.3	74	0	1								
TOTAL		2676		2069		606.9	2372	3.3	2377	32	37	3.18	1.81	0.60	0.00	0.00	Col.26-27		
NUMBER		31	31	31	31	31	31	31	31	31	31	11	11	11	0	0	DAILY AVE RH		
AVERAGE		86.32	14:21	66.74	10:39	19.58	76.53		76.68	1.03	1.19	Ave. Tot.	Ave. Max	Ave. Max			72.9	Percent	
NORMALS		87.38		67.84		19.54	77.61		77.8	1.04	1.08	4.12	1.10	0.35			72.0	Percent	
DEPARTURES		-1.06		-1.10		0.04	-1.08		-1.1	0.00	0.11	-0.94	-0.69	-0.16			0.9	Percent	
Max. Temps. >= 90°F		94.0		74.8		29.4	84.4	6.3	80.0	Whole Day		0.71	0.41	0.19			Precip.	24 Hr.	
2017	9	Aug-18		Aug-18		Aug-06	Aug-18	Aug-31	Aug-23	Ave.	1.11	Aug-29	Aug-18	Aug-18			Amount	0.86	
Ave.	11.3									Normal	1.06						Date	Aug 07	
Departure	-2.3									Depart.	0.05						Date	Aug 08	
Min. Temps. >= 70°F		68.3		57.9		5.7	65.5	-6.8	72.0	SKY	AM	PM	>= 0.10	INCHES	>= 1.00	INCHES	>= 2.00	INCHES	
2017	30	Aug-29		Aug-28		Aug-29	Aug-29	Aug-08	Aug-30	CLEAR	12	6	9	DAYS	0	DAYS	0	DAYS	
Ave.	30.9									PT. CLO.	6	13	HOTTEST	84.4	Highest	Lowest	COOLEST	65.5	
Departure	-0.9									CLOUDY	13	12	DAY	8-18	Mean	Mean	DAY	8-29	
Days Max. <=32 °F	0					MAX.	>=100	>=95	>=90	>=85	>=80	>=75	>=70	>=65	>=60	>=55	>=50	>=45	>=40
Days Max. >=90°F	9					DAYS	0	0	9	22	29	30	30	31	31	31	31	31	31

Aug 2017		21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Aug 2017	2nd PERIOD		WIND			REL. HUMIDITY		BAROMETRIC PRESSURE											
	START	END	RUN	MAX.	TIME	MAX.	MIN.	MAX.	MIN.	AVE.	CHANGE	GLAZE	SLEET	SNOW	FOG	DEW	FROST		
Aug-01			8.3	11	19:16	92	43	30.08	30.00	30.04	-0.04							4	
Aug-02			34.8	13	13:47	84	44	30.07	29.99	30.03	-0.01							2	
Aug-03			33.9	20	18:33	89	41	30.10	29.99	30.05	0.02							3	
Aug-04			58.5	16	18:49	89	43	30.04	29.84	29.94	-0.11							3	
Aug-05			52.9	15	13:12	79	39	30.06	29.83	29.95	0.01							N	
Aug-06			22.9	12	23:28	94	39	30.13	30.03	30.08	0.13							4	
Aug-07	2020	2400	75.0	25	16:11	95	64	30.09	29.83	29.96	-0.12					1		N	
Aug-08	0850	1010	44.5	14	12:37	97	61	30.11	29.86	29.99	0.02							P	
Aug-09			22.7	15	12:52	98	41	30.21	30.11	30.16	0.18							5	
Aug-10			17.6	11	14:07	97	40	30.23	30.12	30.18	0.02							5	
Aug-11	2043	2048	46.3	14	14:48	92	58	30.15	29.95	30.05	-0.13							N	
Aug-12	0255	0418	26.8	14	6:36	96	70	29.96	29.85	29.91	-0.14							P	
Aug-13			42.2	14	10:03	98	47	30.04	29.88	29.96	0.05							P	
Aug-14			18.0	10	21:17	94	58	30.04	29.93	29.99	0.02							4	
Aug-15	0745	0835	2.8	7	9:51	96	71	29.95	29.84	29.90	-0.09							N	
Aug-16			---	9	0:00	97	51	30.04	29.92	29.98	0.09							4	
Aug-17	1212	1240	---	11	13:03	95	60	30.04	29.93	29.99	0.00							4	
Aug-18			36.1	18	18:11	94	57	29.94	29.75	29.85	-0.14					4		3	
Aug-19			6.9	10	17:18	96	52	29.98	29.85	29.92	0.07							P	
Aug-20			7.0	9	9:51	95	52	30.18	29.98	30.08	0.16							4	
Aug-21			29.1	16	16:04	95	55	30.21	30.11	30.16	0.08							4	
Aug-22			47.2	17	15:35	94	53	30.13	29.85	29.99	-0.17							4	
Aug-23			12.2	11	11:56	94	58	29.92	29.82	29.87	-0.12							3	
Aug-24			8.2	10	9:49	95	49	30.00	29.89	29.95	0.07							3	
Aug-25			29.7	11	14:05	94	52	30.20	30.00	30.10	0.16							4	
Aug-26			45.2	13	15:24	95	50	30.23	30.17	30.20	0.10							4	
Aug-27			52.5	14	15:41	94	40	30.24	30.14	30.19	-0.01							4	
Aug-28	2320	2325	86.1	23	18:11	92	46	30.21	30.12	30.17	-0.02							4	
Aug-29	0115	1910	130.4	25	12:47	96	76	30.13	29.94	29.80	-0.36							P	
Aug-30			40.3	14	3:48	97	57	30.07	29.99	30.03	0.23							3	
Aug-31			23.8	13	14:47	96	45	30.03	29.93	29.98	-0.05							4	
TOTAL	Column 23		1061.9	435		2909	1612	932.81	928.44	930.39	TOTAL	0	0	0	0	2	22	0	
NUMBER	Mar. Wind Run		29	31	31	31	31	31	31	31	Normal	0.0	0.0	0.0	1.9	6.8	17.0	0.0	
AVE.	Total		1061.9	36.6	14.0	13:56	93.84	52.00	30.09	29.95	30.01	Depart.	0.0	0.0	0.0	-1.9	-4.8	5.0	0.0
NORMALS	Miles		1193.1	38.6	31.1	Directions	94.5	49.5	30.06	29.93	29.99	Rating ▶	0	0	0	0	5	82	0
Departures	Miles		-131.2	-2.0	-17.1	Date Order	-0.7	2.5	0.03	0.02	0.02	Intensity	GLAZE	SLEET	SNOW	FOG		Dew	Frost
MAXIMUM DATES			130.4	25	S, N	98	76	30.24	30.17	30.20	0.23	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			Aug-29	Aug-07	16:11	Aug-09	Aug-29	Aug-27	Aug-26	Aug-26	Aug-30								
2				Aug-29	12:47	Aug-13													
3																			
4																			
MINIMUM DATES			2.8	7		79	39	29.92	29.75	29.80	-0.36								
1			Aug-15	Aug-15		Aug-05	Aug-05	Aug-23	Aug-18	Aug-29	Aug-29								
2						Aug-06													
Days Min. <=32 °F			0	<= 75	<= 70	<= 65	<= 60	<= 55	<= 50	<= 45	<= 40	<= 35							
Days Min >=70 °F			10	30	21	11	3	0	0	0	0	0							

## REMARKS FOR THE MONTH

August - 2017

Aug-01	AM WAS CLEAR & CUMULUS CAME IN ABOUT NOON-AFTERNOON BECAME CLOUDY & ONLY LIGHT SPRINKLES DURING FIRST TIME PERIOD WHICH LISTED MAX. PRECEIP. ON THE SENSOR AS 4/15
Aug-02	AM WAS ABOUT 60-65% CLOUDY & PM EST. 80% CLOUDY BUT NO RAIN
Aug-03	AN UPPER LEVEL TROUGH AHEAD OF COLD FRONT SHOULD PASS LATE TONIGHT
Aug-04	
Aug-05	AM WAS EST. 70-80% CLOUDY BUT CLEARING STARTED AROUND 1300 & ONLY SCATTERED CUMULUS AFTER 1330
Aug-06	SCATTERED AM CIRRUS CLOUDS & PM WAS ALMOST CLEAR TO 1500 THEN CLOUDS MOVED INTO AREA
Aug-07	
Aug-08	CLEARING STARTED AT 1600 BUT BROKEN CLOUDINESS TO 1900 THEN CLEAR
Aug-09	CUMULUS CLOUDS CAME IN AT 1130 & PM WAS PARTLY CLOUDY WITH FAIR WEATHER CUMULUS
Aug-10	CUMULUS CLOUDS CAME IN AT 1130 & PM HAD SCATTERED CUMULUS AND WAS 20-30% CLOUDY
Aug-11	3RD PD. OF SPRINKLES FROM 2125-2245 & 4TH PD. 2340-2400
Aug-12	3RD PD. OF SPRINKLES FROM 0605-0625 & THEN SPRINKLES 0645-0925 & HEAVIEST RAIN OCCURRED FROM 0800-0830-LAST PD. OF LIGHT PRECIP. 1400-1515
Aug-13	CLEARING STARTED AT 1300 BUT NOT CLEAR UNTIL 1600 FOLLOWED BY ALTOCUMULUS AROUND 1900
Aug-14	CLOUDY MOST OF DAY BUT NO RAIN - VERY HUMID WITH A MAX. DEW POINT OF 73.3°F AT 1541
Aug-15	FOG CLOUDS CLEARED AT 1100 & ANEMOMETER STOPPED WORKING TODAY-3RD PD. OF PRECIP. 1000-1345, 4TH PD. 1815-2015-EXTREMELY HUMID - MAX. DEW POINT 79.7°F AT 1353
Aug-16	9 mph ESTIMATE GIVING ON WIND BUT CALM DAY AND I AM CERTAIN IT WAS NOT MORE THAN 15 MPH - RAIN OF YESTERDAY HAD EVERYTHING WET BUT DEW DROPS WERE ON VINYL UNDER
Aug-17	11 mph MAX. WIND ESTIMATED AS ANEMOMETER FAILED - VERY HUMID DAY AGAIN WITH MAX. DEW POINT OF 79°F AT 0944
Aug-18	TS RATED 4-2-2-NEW ANEMOMETER PLACED ON THE DECK AT ABOUT 10 FEET - UNUSUAL TS WITH NEAR STRONG LIGHTNING AFTER MOST OF RAIN ENDED-CLOUDS DURING DAY AFTER 1030
Aug-19	NEW ANEMOMETER PLACED ON THE DECK AT ABOUT 10 FEET
Aug-20	WENT TO ASHEVILLE IN PREPARATION OF SEEING TOTAL ECLIPSE ON AUG. 21
Aug-21	IT WAS CLOUDY HERE DURING ECLIPSE - PM EST. TO BE 50-60% CLOUDY BUT AM WAS CLEAR-HOWEVER IN NW SC WHERE ECLIPSE WAS SEEN NEAR SENECA SKY WAS PERFECTLY CLEAR
Aug-22	VERY HOT AND HUMID AGAIN
Aug-23	AM EST. 70% CLOUDY AND PM AT 95% CLOUDY AS COLD FRONT PASSED AROUND 1330
Aug-24	COOLEST DAY SINCE AUG. 14 AND MUCH LOWER REL. HUMIDITY TODAY
Aug-25	NEW ANEMOMETER PLACED ON HOUSE AS AN EAVE MOUNT AT ABOUT 35 FEET-DEW SENSOR WAS NOT IN REGULAR LOCATION GIVING INCORRECT READING-AM 60-65% CLOUDY PM 45-50% CLO.
Aug-26	AM CLEAR BUT PM EST. TO BE 55-65% CLOUDY
Aug-27	HOUSTON IS REALLY SUFFERING FROM HURRICANE HARVEY-ANOTHER TROPICAL DEPRESSION #10 TO AFFECT VA COAST ON TUES. THE 29TH
Aug-28	PRECIP. SENSOR READ 2 OF 15 A VERY SLIGHT TRACE-REC. LOW MIN. AND VERY PLEASANT DAY FOR AUG.-3RD PD. PRECIP. 2355-2400
Aug-29	2ND COOLEST AUG. MAX. IN 9 YEARS OF RECORDS-ONLY AUG. 18, 2013 WAS COOLER AT 67.9°F
Aug-30	ANOTHER VERY PLEASANT DAY FOR END OF AUG.
Aug-31	WARMER AND MORE HUMID THAN THE WEATHER OF THE PAST WEEK BUT A STRONG COLD FRONT TO PASS TOMORROW MORNING AND BRING FALL LIKE WEATHER

## EXTENSION OF LENGTHY DAILY REMARKS

DATE	
Aug-16	SOFFITS OF HOUSE ONLY 4 SLATS DOWN
Aug-18	THEN CLEARING AFTER 1100 AND BECOMING PC AFTER 1415 AND CLOUDY AFTER 1730
Aug-21	WE WERE FORTUNATE TO HAVE CLEAR SKY IN VIEWING ECLIPSE IN SENECA, SC AS IT WAS CLOUDY IN CHICAGO

**BIG EVENTS IN AUGUST - HAREY IN TEXAS GIVING MORE THAN 50 INCHES OF RAIN FROM THE 25TH TO THE 30TH - EST. DAMAGE 60 BILLION**

## DAILY RECORDS FOR THE MONTH

41

Aug  
2017

## The Glen Allen Station had 20 Records or Record Ties in August 2017

1	The minimum temperature on the 1st was 63.4°F, a new 9-year LOW daily minimum temperature record for the date - the old record was 64.0°F in 2014.
2	
3	The daily precipitation on the 3rd was 0.20 inches, a new 9-year HIGH daily precipitation record for the date - the old record was 0.01 inches in 2014.
4	
5	
6	The minimum temperature on the 6th was 58.5°F, a new 9-year LOW daily minimum temperature record for the date - the old record was 64°F in 2013. The daily temperature range on the 6th was 29.4°F, a new 9-year HIGH daily temperature range record for the date - the old record was 23°F in 2014 and 2008.
7	The daily precipitation on the 7th was 0.65 inches, a new 9-year HIGH daily precipitation record for the date - the old record was 0.18 inches in 2012.
8	
9	The minimum temperature on the 9th was 60.7°F, a new 9-year LOW daily minimum temperature record for the date - the old record was 61°F in 2008.
10	The minimum temperature on the 10th was 60.6°F, a new 9-year LOW daily minimum temperature record for the date - the old record was 62°F in 2014.
11	
12	
13	
14	
15	The minimum temperature on the 15th was 73.9°F, a new 9-year warm daily minimum temperature record for the date - the old record was 73.5°F in 2016. The daily precipitation on the 15th was 0.37 inches, a new 9-year HIGH daily precipitation record for the date - the old record was 0.12 inches in 2016.
16	The daily temperature range on the 16th was 20.8°F, a new 9-year LOW daily temperature range record for the date - the old record was 21°F in 2013 and 2010.
17	The daily temperature range on the 17th was 17°F, and EQUALED the, 9-year LOW daily minimum temperature range record for the date - the old record was set in 2010.
18	The minimum temperature on the 18th was 74.8°F, a new 9-year warm daily minimum temperature record for the date - the old record was 73°F in 2016 and 2009.
19	
20	
21	
22	The maximum temperature on the 22nd was 93.6°F, a new 9-year daily HIGH maximum temperature record for the date - the old record was 90°F in 2013 and 2010. The minimum temperature on the 22nd was 72.5°F, a new 9-year warm daily minimum temperature record for the date - the old record was 72°F in 2013 and 2010.
23	
24	
25	
26	
27	
28	The minimum temperature on the 28th was 57.9°F, a new 9-year LOW daily minimum temperature record for the date - the old record was 59°F in 2015.
29	The maximum temperature on the 29th was 68.3°F, a new 9-year cool daily maximum temperature record for the date - the old record was 81°F in 2008. The daily temperature range on the 29th was 5.7°F, a new 9-year LOW daily temperature range record for the date - the old record was 11°F in 2008.
*	The maximum temperature on the 29th of 68.3°F is the second lowest August maximum temperature in the past 9 years only August 18,2013 was lower at 67.9°F.
30	The minimum temperature on the 30th was 60°F, a new 9-year LOW daily minimum temperature record for the date - the old record was 62°F in 2011. The maximum temperature on the 30th was 80°F, a new 9-year cool daily maximum temperature record for the date - the old record was 82°F in 2011.
31	