

20		21		22		23		24		25		26		27		28		29		30		31		32		33		34		35		36		37		38	
Oct 2017	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																										
Oct-01			49.0	12	9:06	92	48	30.41	30.30	30.36	0.15																							4			
Oct-02			17.4	10	14:29	99	45	30.48	30.34	30.41	0.05																							5			
Oct-03			31.1	12	12:12	99	49	30.60	30.48	30.54	0.13																							5			
Oct-04			33.1	14	14:00	98	40	30.54	30.29	30.42	-0.13																							5			
Oct-05			62.6	14	11:00	94	44	30.30	30.12	30.21	-0.20																							4			
Oct-06			74.2	16	12:15	89	45	30.16	30.04	30.10	-0.11																							2			
Oct-07	1915	1920	72.3	18	23:52	95	65	30.14	30.01	30.08	-0.02																							4			
Oct-08	0325	0330	101.3	18	17:54	95	76	30.03	29.95	29.99	-0.09																				1			P			
Oct-09			135.0	27	13:05	94	74	30.01	29.88	29.95	-0.05																								P		
Oct-10			20.8	8	22:08	97	76	30.10	30.01	30.06	0.11																								4		
Oct-11			27.2	11	2:14	97	84	30.04	29.95	30.00	-0.06																						3	2		P	
Oct-12	0740	0800	92.2	18	15:45	97	88	30.29	30.00	30.15	0.15																									P	
Oct-13			74.6	13	4:05	95	87	30.35	30.27	30.31	0.17																									1	
Oct-14			45.6	11	1:44	96	86	30.28	30.17	30.23	-0.09																									P	
Oct-15			103.7	21	13:03	97	62	30.18	29.92	30.05	-0.18																									P	
Oct-16			84.6	21	6:03	94	55	30.26	29.90	30.08	0.03																									P	
Oct-17			54.6	17	11:18	88	34	30.40	30.26	30.33	0.25																								4		
Oct-18			15.6	9	15:10	98	40	30.44	30.32	30.38	0.05																								5	1	
Oct-19			33.1	15	11:45	97	44	30.34	30.17	30.26	-0.13																								4		
Oct-20			19.1	11	12:29	97	48	30.27	30.17	30.22	-0.04																								4		
Oct-21			14.1	7	14:16	98	40	30.36	30.26	30.31	0.09																									5	
Oct-22			29.4	11	14:56	97	55	30.40	30.28	30.34	0.03																									4	
Oct-23			92.6	26	19:55	97	64	30.30	29.75	30.03	-0.32																									5	
Oct-24			80.9	22	1:29	97	62	29.83	29.73	29.78	-0.24																									P	
Oct-25			24.5	12	13:52	97	40	29.84	29.73	29.79	0.00																									5	
Oct-26			25.9	15	12:37	89	44	30.05	29.79	29.92	0.14																									P	
Oct-27			70.1	16	16:23	97	45	30.11	30.04	30.08	0.15																									5	1
Oct-28			87.3	18	11:50	87	55	30.07	29.78	29.93	-0.15																									3	
Oct-29	1218	1620	61.9	25	18:10	96	84	29.79	29.24	29.52	-0.41																									P	
Oct-30	0245	0340	80.4	17	15:57	95	46	29.99	29.39	29.69	0.17																									P	
Oct-31			37.9	15	1:11	93	42	30.21	29.98	30.10	0.41																									3	
TOTAL	Column 23		1752.1	480		2951	1767	936.57	930.52	933.55	TOTAL	0	0	0	3	2	20	2																			
NUMBER	Mar. Wind Run		31	31	31	31	31	31	31	31	NORMAL	0.0	0.1	0.0	2.2	1.1	18.8	2.1																			
AVERAGE	Total		1752.1	56.5	15.48	12:23	95.2	57.0	30.21	30.02	30.11	DEPART.	0.0	-0.1	0.0	0.8	0.9	1.2	-0.1																		
NORMAL	Miles		1557.0	50.4	17.2		95.4	52.0	30.13	29.95	30.04	Rating ▶	0	0	0	6	3	81	2																		
Departures	Miles		195.1	6.1	-1.7		-0.2	-5.0	0.08	0.06	0.07	Intensity	GLAZE	SLEET	SNOW	FOG	K	DeW	Frost																		
MAXIMUM DATES			135.0	27	SSW	99	88	30.60	30.48	30.54	0.41																										
DATES			1	2	3	4																															
MINIMUM DATES			14.1	7		87	34	29.79	29.24	29.52	-0.41																										
DATES			1	2																																	
Days Min. <=32 °F			0	MIN. DAYS	<=75	<=70	<=65	<=60	<=55	<=50	<=45	<=40	<=35	<=32	<=30	<=25																					
Days Min >=70°F			4		31	27	27	22	20	17	12	3	0	0	0	0																					

5. Very Heavy
 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- Precip. prevent obs.

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REMARKS FOR THE MONTH

October - 2017

Oct-01	COOLEST AM SINCE MAY 14, 2017 WHEN IT WAS 44.7°F -PM EST. ABOUT 40-50% CLOUDY
Oct-02	CUMULUS CLOUDS CAME IN ABOUT 1045 AS FAIR WEATHER CUMULUS AND LEFT ABOUT 1345-AM EST. 20-30% CLOUDY PM EST. 10-15% CLOUDY
Oct-03	CUMULUS SCATTERED FROM 1045-1215 THEN NO CLOUDS REST OF THE DAY
Oct-04	ANOTHER BEAUTIFUL FALL DAY WITH NO CLOUDS AND LOW REL. HUMIDITY BUT IT IS VERY DRY WITH 10 DAYS WITH NO MEASURABLE PRECIP.
Oct-05	MOSTLY CIRRUS ALL DAY-AM EST. 40-50% CLOUDY AND PM EST. 30-40% CLOUDY
Oct-06	SKY COVERED WITH CIRRUS MOST OF DAY BUT SOLAR RADIATION THROUGH CLOUDS-AM EST. 70-80% CLOUDY AND PM EST. 75-80% CLOUDY
Oct-07	CUMULUS CLOUDS CAME IN ABOUT 1145 AND COMPLETE CLOUD COVER BY 1200 & SLIGHT TRACE OF RAIN-3RD PD. OF SPRINKLES 2110-2145
Oct-08	3RD PD. OF RAIN 0445-0620-UNBELIEVABLY HIGH DEW POINT FOR OCT. 8- MAX. DEW POINT 76.7°F AT 1420-THUNDER AROUND 1710, 4TH PD. OF SPRINKLES 1505-1515, 5TH PD. SPRINKLES
Oct-09	BOTH YESTERDAY AND TODAY WERE REC. HIGH MINIMUM TEMPS. FOR DATE & ARE ALSO REC. FOR MONTH OF OCT.-AT AIRPORT HIGHEST MIN. ON REC. ALSO FOR DATE SINCE 1880
Oct-10	
Oct-11	THUNDER AT 0152, 0154, 0158, 0235, 0238,0428, 0628-HEAVIEST RAIN SINCE OCT. 8, 2016 WHEN 2.81 INS. FELL-TS RATING 1-1-5
Oct-12	3RD PD. OF DRIZZLE 1000-1035, 4TH PD. VERY LIGHT PDS. OF DRIZZLE 1330-1705, 5TH PD. OF DRIZZLE 1900-1905
Oct-13	NO DEW ON SENSOR OR SKY MIRROR BECAUSE OF CLOUDS AND WIND DURING NIGHT-4 5 MIN. PDS. OF DRIZZLE BET. 1615-1910
Oct-14	CLOUDY ALL DAY WITH HIGH REL. HUMIDITY AND REC. LOW TEMP. RANGE FOR DAY
Oct-15	CLEARING STARTED AT 1230 AND CLEAR BY 1330 & NO CLOUDS AFTER 1400-TRACE OF RAIN WAS ONLY 1/15 ON PRECIP. SENSOR
Oct-16	COLD FRONT PASSED BET. 0430-0440-SOME CLEARING BY 1630 THEN MOSTLY CLOUDY UNTIL 1800-PM EST. 85-90% CLOUDY
Oct-17	COOLEST MIN. SINCE MAY 9 WHEN IT WAS 38°F -NO CLOUDS ALL DAY
Oct-18	LIGHT FROST ON ROOFS-COLDEST MIN. SINCE APRIL 9 WHEN IT WAS 37°F -NO CLOUDS ALL DAY
Oct-19	ANOTHER DAY WITH NO CLOUDS BUT WARMER THAN PAST TWO DAYS
Oct-20	AM CLEAR WITH ONLY FEW SCATTERED CIRRUS AND PM VERY CLEAR WITH A LARGE TEMP. RANGE FOR DAY
Oct-21	AM VERY CLEAR AND PM HAD A FEW VERY THIN CIRRUS CLOUDS-PLEASANT FALL DAY
Oct-22	AM AND PM HAD A FEW SCATTERED THIN CIRRUS CLOUDS-AM EST. 5-10% CLOUDY, PM EST. 10-15% CLOUDY-PLEASANT FALL DAY
Oct-23	MOST OF SKY COVERED WITH CIRRUS CLOUDS BUT VERY THIN AS INDICATED BY SOLAR RADIATION-PM BECAME CLOUDY
Oct-24	CUMULUS CLOUDS CAME IN AT 1130 & SOME LOW CLEARING FOG CLOUDS AT 0830-0900 -AM EST. 30% CLOUDY, PM EST. 45-55% CLOUDY
Oct-25	CLOUDY UNTIL 0930 THEN PC TO NOON - AM EST. 55-60% CLOUDY, PM ABOUT 50-55% CLOUDY
Oct-26	CLOUDY UNTIL 0900 THEN VERY CLEAR FROM 0915-1030 THEN SCATTERED CUMULUS TO NOON- AM EST. 45-50% CLOUDY, PM CLOUDY FROM 1345-1515 THEN VERY CLEAR BY 1615-SUNSET
Oct-27	LIGHT FROST ON ROOFS-NO CLOUDS SEEN TODAY AND LARGE TEMP. RANGE OF 33.1°F
Oct-28	DEW SENSOR BY FENCE NOT IN YARD HENCE IT READ 0-ACTUAL DEW RATING WAS 3-AM EST. 30-40% CLOUDY, PM EST. 75-80% CLOUDY
Oct-29	3RD AND HEAVIEST PRECIP. WAS FROM 1730-1955 & COLD FRONT PASSED AT 1815-A 4TH PD. OF PRECIP. 2025-2400
Oct-30	LIGHT PRECIP. 3RD PD. 0430-0535-NO CLOUDS SEEN TODAY & AM TEMPS. WERE 20 DEGREES COLDER THAN 24 HRS. BEFORE
Oct-31	BEAUTIFUL FALL DAY WITH EXCELLENT WEATHER FOR HALLOWEEN - NO CLOUDS SEEN

DATE

EXTENSION OF LENGTHY DAILY REMARKS

Oct-08	1920-1925, 6TH PD. PRECIP. 2108-2130
Oct-09	PREVIOUS REC. HIGH MIN. FOR 8TH WAS 69°F IN 1900 & 9TH WAS 71°F IN 1959 FOR RICHMOND
Oct-26	PM EST. 35-45% CLOUDY

NO KILLING FROST FOR OCTOBER 2017 - THE WARMEST OCTOBER AT GLEN ALLEN IN THE PAST 9 YEARS - IT WAS THE 10TH WARMEST FOR RICHMOND SINCE 1880.

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

www.glenallenweather.com/upload/glenallenclimate/loq/2016/2016_Obs_Rules.pdf

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Oct
2017

DAILY RECORDS FOR THE MONTH

The Glen Allen Station had 23 Records or Record Ties for October 2017

1	The minimum temperature on the 1st was 45.1°F, a new 9-year LOW daily minimum temperature record for the date - the old record was 49°F in 2011.
2	The minimum temperature on the 2nd was 45.4°F, a new 9-year LOW daily minimum temperature record for the date - the old record was 47°F in 2011 and 2008. The daily temperature range on the 2nd was 30.3°F, a new 9-year HIGH daily temperature range record for the date - the old record was 30°F in 2013.
3	
4	The daily temperature range on the 4th was 32°F, a new 9-year HIGH daily temperature range record for the date - the old record was 30°F in 2014.
5	The daily temperature range on the 5th was 32.4°F, a new 9-year HIGH daily temperature range record for the date - the old record was 30°F in 2011.
6	
7	The maximum temperature on the 7th was 82.4°F, a new 9-year daily HIGH maximum temperature record for the date - the old record was 80°F in 2009.
8	The minimum temperature on the 8th was 74.4°F, a new 9-year warm daily minimum temperature record for the date - the old record was 62.4°F in 2016. The maximum temperature on the 8th was 84.4°F, a new 9-year daily HIGH maximum temperature record for the date - the old record was 79.1°F in 2015.
9	The minimum temperature on the 9th was 73.6°F, a new 9-year warm daily minimum temperature record for the date - the old record was 63°F in 2008. The maximum temperature on the 9th was 85.5°F, a new 9-year daily HIGH maximum temperature record for the date - the old record was 84°F in 2010 and 2009.
10	The minimum temperature on the 10th was 72.6°F, a new 9-year warm daily minimum temperature record for the date - the old record was 59°F in 2008. The maximum temperature on the 10th was 85°F, a new 9-year daily HIGH maximum temperature record for the date - the old record was 83°F in 2010.
11	The minimum temperature on the 11th was 72.9°F, a new 9-year warm daily minimum temperature record for the date - the old record was 61°F in 2011. The daily precipitation on the 11th was 1.90 inches, a new 9-year HIGH daily precipitation record for the date - the old record was 0.26 inches in 2014.
12	
13	
14	The daily temperature range on the 14th was 6.7°F, a new 9-year LOW daily temperature range record for the date - the old record was 12°F in 2009.
15	The minimum temperature on the 15th was 64°F, a new 9-year warm daily minimum temperature record for the date - the old record was 58°F in 2008.
16	The daily precipitation on the 16th was 0.19 inches, a new 9 year HIGH daily precipitation record for the date - the old record was 0.17 inches in 2009.
17	
18	The daily temperature range on the 18th was 32.1°F, a new 9-year HIGH daily temperature range record for the date - the old record was 27.1°F in 2015.
19	The daily temperature range on the 19th was 32.9°F, a new 9-year HIGH daily temperature range record for the date - the old record was 25.8°F in 2016.
20	The daily temperature range on the 20th was 34.3°F, a new 9-year HIGH daily temperature range record for the date - the old record was 34°F in 2009.
21	
22	
23	The minimum temperature on the 23rd was 57.8°F, a new 9-year warm daily minimum temperature record for the date - the old record was 55°F in 2009. The daily precipitation on the 23rd was 0.09 inches, a new 9 year HIGH daily precipitation record for the date - the old record was 0.07 inches in 2013.
24	The daily precipitation on the 24th was 1.12 inches, a new 9 year HIGH daily precipitation record for the date - the old record was 0.66 inches in 2009.
25	
26	
27	
28	
29	
30	
31	

TEMPERATURE GRAPH FOR OCTOBER

