

PAGE #1																			Oct 2019 West Henrico Co. - Glen Allen Weather Center 37.6554° N. 77.5692° W. - Koontz																		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19																			
Oct 2019	Week Day	TEMPERATURE °F				TEMPERATURE °F				SKY		PRECIPITATION			FROZ. PRECIP.		1st PERIOD																				
		MAX.	Time	MIN.	Time	RANGE	MEAN	CHANGE	SOIL	AM	PM	Liquid	1 Hr.	5 Min.	NEW	GROUND	START	END																			
Oct-01	Tue	89.4	15:23	68.5	6:37	20.9	79.0	10.2	74	0	0																										
Oct-02	Wed	97.6	14:00	71.7	6:55	25.9	84.7	5.7	74	0	1																										
Oct-03	Thu	98.4	14:03	69.0	6:56	29.4	83.7	-1.0	74	0	0																										
Oct-04	Fri	82.8	14:10	60.9	23:59	21.9	71.9	-11.9	75	0	0																										
Oct-05	Sat	72.1	14:54	49.4	6:06	22.7	60.8	-11.1	73	1	2																										
Oct-06	Sun	73.9	16:17	62.1	4:54	11.8	68.0	7.3	72	2	2	T	T	T			0945	1000																			
Oct-07	Mon	84.1	15:55	61.0	7:08	23.1	72.6	4.6	71	2	1																										
Oct-08	Tue	67.4	0:01	58.9	10:12	8.5	63.2	-9.4	71	2	2	0.05	0.03	0.01			0510	0645																			
Oct-09	Wed	68.1	15:53	56.0	23:54	12.1	62.1	-1.1	70	2	2																										
Oct-10	Thu	74.8	13:57	55.5	0:20	19.3	65.2	3.1	69	1	0																										
Oct-11	Fri	75.4	14:35	49.9	7:34	25.5	62.7	-2.5	68	0	0																										
Oct-12	Sat	78.9	14:38	47.6	2:41	31.3	63.3	0.6	67	2	2																										
Oct-13	Sun	70.2	14:15	54.9	8:17	15.3	62.6	-0.7	67	2	2	0.17	0.12	0.03			0707	0725																			
Oct-14	Mon	74.2	15:02	51.0	23:59	23.2	62.6	0.1	67	2	0	0.01	0.01	T			0025	0055																			
Oct-15	Tue	75.9	13:56	44.9	7:32	31.0	60.4	-2.2	66	0	1																										
Oct-16	Wed	60.1	7:47	48.7	21:30	11.4	54.4	-6.0	66	2	2	1.88	0.64	0.10			0707	1535																			
Oct-17	Thu	61.5	16:37	42.5	7:07	19.0	52.0	-2.4	64	2	1																										
Oct-18	Fri	66.1	14:51	36.5	7:19	29.6	51.3	-0.7	62	0	0																										
Oct-19	Sat	67.7	14:00	36.9	6:45	30.8	52.3	1.0	61	0	2																										
Oct-20	Sun	59.1	13:31	54.1	5:13	5.0	56.6	4.3	62	2	2	1.71	0.43	0.04			0235	1625																			
Oct-21	Mon	59.1	15:43	53.5	7:33	5.6	56.3	-0.3	61	2	2	T	T	T			0020	0025																			
Oct-22	Tue	64.4	14:34	56.6	4:37	7.8	60.5	4.2	62	2	2	0.64	0.36	0.12			1428	1600																			
Oct-23	Wed	69.3	13:54	46.0	23:59	23.3	57.7	-2.9	62	0	0																										
Oct-24	Thu	71.6	14:59	40.0	7:44	31.6	55.8	-1.9	62	0	0																										
Oct-25	Fri	66.9	15:19	46.3	7:05	20.6	56.6	0.8	61	2	2																										
Oct-26	Sat	73.1	15:26	55.5	5:41	17.6	64.3	7.7	61	2	2	T	T	T			0638	0640																			
Oct-27	Sun	82.1	14:59	57.2	23:57	24.9	69.7	5.4	62	2	0	0.51	0.31	0.12			0040	0043																			
Oct-28	Mon	71.4	15:00	53.1	23:54	18.3	62.3	-7.4	63	0	0																										
Oct-29	Tue	68.9	13:36	50.6	2:42	18.3	59.8	-2.5	62	2	2																										
Oct-30	Wed	67.3	11:46	55.4	3:02	11.9	61.4	1.6	62	2	2	0.06	0.02	0.01			1255	1845																			
Oct-31	Thu	80.9	15:50	56.5	23:59	24.4	68.7	7.4	63	2	2	0.36	0.16	0.06			0125	0530																			
TOTAL		2273		1651		622.0	1961.7	-0.1	2054	38	36	5.39	2.08	0.49	0	0	Col.26-27																				
NUMBER		31	31	31	31	31	31	31	31	31	31	9	9	8	0	0	DAILY AVE RH																				
AVERAGE		73.31	14:01	53.25	10:37	20.06	63.28		66.26	1.23	1.16	Ave. Tot.	Ave. Max	Ave. Max	Ave. Tot.	Ave. Days	77.0	Percent																			
NORMAL		70.97		50.08		21.12	60.27		65.01	0.97	1.02	4.26	0.73	0.16	0.0	0.0	74.5	Percent																			
DEPARTURES		2.34		3.17		-1.05	3.01		1.25	0.25	0.14	1.13	1.35	0.33	0.0	0.0	2.6	Percent																			
Max. Temps. >= 70°F		98.4	Ave.HighMax	71.7	Ave.HighMin	31.6	84.7	10.2	75.0	Whole Day		1.88	0.64	0.12	0.0	0.0	Precip	24 Hr.																			
2019	18	Oct-03	86.0	Oct-02	66.9	Oct-24	Oct-02	Oct-01	Oct-04	Ave.	1.19	Oct-16	Oct-16	Oct-22			Amount	1.88																			
Ave.	17.6		Dep.		Dep.					Normal	0.99			Oct-27			Date	Oct 16																			
Departure	0.4		12.4		4.8					Depart.	0.20						Date																				
Min. Temps. <= 32°F		59.1	Ave.LowMax	36.5	Ave.LowMin	5	51.3	-11.9	61.0	SKY		AM	PM	>= 0.10	INCHES	>= 1.00	INCHES	>= 2.00	INCHES																		
2019	0	Oct-20	53.5	Oct-18	33.6	Oct-20	Oct-18	Oct-04	Oct-19	CLEAR	11	11	6	DAYS	2	DAYS	0	DAYS																			
Ave.	0.6	Oct-21	Dep.		Dep.					PT. CLO.	2	4	HOTTEST	84.7	Highest	Lowest	COOLEST	51.3																			
Departure	-0.6		5.6		2.9					CLOUDY	18	16	DAY	10-02	Mean	Mean	DAY	10-18																			
Days Max. <=32 °F		0		MAX.	>=90	>=85	>=80	>=75	>=70	>=65	>=60	>=55	>=50	>=45	>=40	>=35	>=32	>=30																			
Days Max. >=90°F		2		DAYS	2	3	7	11	18	26	29	31	31	31	31	31	31	31																			

20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38		
Oct 2019	2nd PERIOD		WIND			REL. HUMIDITY		BAROMETRIC PRESSURE								DEW	FROST			
	START	END	RUN	MAX.	TIME	MAX.	MIN.	MAX.	MIN.	AVE.	CHANGE	GLAZE	SLEET	SNOW	FOG			K		
Oct-01			65.7	13	13:27	87	58	30.18	30.00	30.09	-0.23							N		
Oct-02			59.6	14	13:18	91	42	30.00	29.84	29.92	-0.17							1		
Oct-03			42.3	16	18:16	93	40	29.99	29.88	29.94	0.01							2		
Oct-04			106.4	22	23:44	97	41	30.27	29.91	30.09	0.16							4		
Oct-05			100.2	20	0:05	83	54	30.39	30.27	30.33	0.24							1		
Oct-06			33.7	14	23:24	90	76	30.31	30.23	30.27	-0.06							N		
Oct-07			66.0	18	12:37	96	56	30.23	30.01	30.12	-0.15							3		
Oct-08	0925	1130	136.8	19	7:11	96	75	30.18	30.09	30.14	0.01							P		
Oct-09			84.7	14	10:23	91	70	30.24	30.15	30.20	0.06							N		
Oct-10			66.8	15	15:33	92	56	30.26	30.13	30.20	0.00							N		
Oct-11			52.0	16	9:28	96	29	30.17	30.04	30.11	-0.09							4		
Oct-12			23.0	9	10:39	95	43	30.05	29.95	30.00	-0.11							4		
Oct-13	0930	0935	56.7	12	3:55	96	64	30.10	30.00	30.05	0.05							N		
Oct-14			19.3	9	14:47	96	54	30.08	29.96	30.02	-0.03							P		
Oct-15			43.6	12	11:39	98	39	30.18	30.01	30.10	0.07							5		
Oct-16			44.5	19	23:00	98	77	30.02	29.53	29.78	-0.32							5		
Oct-17			67.1	21	12:59	90	45	29.89	29.66	29.78	0.00							1		
Oct-18			32.1	18	11:29	98	41	30.07	29.88	29.98	0.20							5	1	
Oct-19			30.9	13	13:07	98	47	30.14	30.00	30.07	0.09							5	1	
Oct-20	2310	2400	144.2	24	15:17	98	81	30.01	29.73	29.87	-0.20							P		
Oct-21			64.3	15	5:49	96	86	30.13	29.96	30.05	0.18							P		
Oct-22	1635	1750	68.0	16	11:27	98	89	30.09	29.77	29.93	-0.12							3		
Oct-23			22.6	11	15:52	99	44	30.23	29.88	30.06	0.13							4		
Oct-24			29.6	18	13:05	99	43	30.36	30.22	30.29	0.23							5		
Oct-25			13.2	7	11:26	98	73	30.33	30.19	30.26	-0.03							5		
Oct-26			45.7	14	18:51	97	56	30.22	30.05	30.14	-0.13							3		
Oct-27	0212	1215	83.3	23	10:36	98	58	30.05	29.78	29.92	-0.22							P		
Oct-28			60.5	15	11:19	95	58	30.22	29.99	30.11	0.19							4		
Oct-29			15.3	6	10:48	98	72	30.28	30.21	30.25	0.14							5		
Oct-30	2030	2330	41.7	13	22:03	97	80	30.27	30.05	30.16	-0.09							4		
Oct-31	0700	0850	169.6	42	15:57	98	78	30.05	29.62	29.84	-0.32					1		P	1	
TOTAL	Column 23		1889.4	498		2952	1825	934.99	928.99	931.99		TOTAL	0	0	0	0	1	20	3	
NUMBER	Mar. Wind Run		31	31	31	31	31	31	31	31		NORMAL	0.0	0.1	0.0	2.3	1.2	19.2	2.2	
AVERAGE	Total		1889.4	60.9	16.06	13:16	95.2	58.9	30.16	29.97	30.06	DEPART.	0.0	-0.1	0.0	-2.3	-0.2	0.8	0.8	
NORMAL	Miles		1602.1	51.8	17.0		95.5	53.3	30.07	29.90	30.05	RATING ▶	0	0	0	0	1	73	3	
Departures	Miles		287.3	9.1	-0.9		-0.3	-5.6	0.09	0.06	0.01	Intensity	GLAZE	SLEET	SNOW	FOG	K	Dew	Frost	
MAXIMUM DATES			169.6	42	South	99	89	30.39	30.27	30.33	0.24	GLAZE	SLEET	SNOW	FOG	K	Dew	Frost		
1			Oct-31	Oct-31	15:57	Oct-23	Oct-22	Oct-05	Oct-05	Oct-05	Oct-05									
2																				
3																				
4					Ave. Max.															
Min. Temps. >= 70°F			Dates		13.2	6	31.2	83	29	29.89	29.53	29.78	-0.32	5. Very Heavy					N- None No Dew Obs.	
2019			1		Oct-25	Oct-29	Dep.	Oct-05	Oct-11	Oct-17	Oct-16	Oct-16	Oct-31	4. Heavy-Unusual					P- Precip. prevent obs.	
Ave. Departure			0.5				10.8							3. Moderate - Ave.						
Days Min. <=32°F			0		MIN.		<=75	<=70	<=65	<=60	<=55	<=50	<=45	<=40	<=35	<=32	<=30	<=25		
Days Min >=70°F			1		DAYS		31	30	28	25	18	11	5	3	0	0	0	0		

REMARKS FOR THE MONTH

October - 2019

Oct-01	LOW CLOUDS CLEARED AT 0830 AND WAS ALL BUT TOTALLY CLEAR BY 0930-SEPT. WAS THE DRIEST MONTH ON REC.
Oct-02	HIGHEST TEMP. EVER REC. IN RICHMOND IN OCT WAS 99°F ON OCT. 5, 1941 AT THE AIRPORT & THE AIRPORT HAD 98°F TODAY-AM 20-30% CLOUDY-PM EST. 30-40% CLOUDY
Oct-03	EXTREMELY HIGH MAX. TEMP. OF 98.4°F HERE-RICHMOND'S REC. FOR OCT 3 WAS BROKEN AIRPORT HAD 97°F TODAY AS THEY WERE CLOSER TO THE BACKDOOR COLD FRONT-SCATTERED
Oct-04	CLEAR BREEZY AND COOL DAY-A FEW CUMULUS FROM 1130-1245 WITH LOW REL. HUMIDITY A VERY DRYING DAY-WILDFIRE DANGER ALERT
Oct-05	COOLEST AM SINCE SEPT. 20, 2019 WHEN IT WAS 47.9°F-CLOUDS FROM SUNRISE TO 0830 & 1115-NOON-AM EST. 35-40% CLOUDY
Oct-06	CLOUDY ALL DAY WITH COMFORTABLE TEMPS. ONLY 0.17 INCHES OF RAIN SINCE SEPT. 28, 2019
Oct-07	MUCH WARMER TODAY-COLD FRONT TO PASS TONIGHT-BEAUTIFUL AM WITH FIBROUS CIRRUS CLOUDS-EXTREME DROUGHT
Oct-08	PRECIP. THIS AM WAS MAINLY DRIZZLE - FIRST DAY THAT REALLY FELT LIKE AUTUMN
Oct-09	CLOUDY TO 0900 THEN CLEARING - CLEAR BY 0930 AND CLEAR UNTIL AROUND 1700 THEN CLOUDS TO 1900
Oct-10	NEWS ARTICLES NOW TALKING ABOUT WATER RESTRICTIONS
Oct-11	A VERY CLEAR DAY WITH VERY LOW RH-JAMES RIVER AT 3.4 FEET-DROUGHT
Oct-12	ONLY 0.22 INCHES OF RAIN SINCE AUG. 28-MOSTLY CLOUDY TODAY
Oct-13	NO DEW - RH MAX. WAS ONLY 77% IN AM BEFORE THE SHOWER-3RD PD. OF PRECIP. 1450-2107-4TH PD. OF PRECIP. 2200-2225
Oct-14	FOG IN LOUISA - NO FOG HERE BUT LOW CLOUDS THAT DID NOT CLEAR UNTIL 1215-PM WAS VERY CLEAR
Oct-15	COLDEST AM SINCE MAY 1, 2019 WITH A MIN. TEMP. OF 41.2°F-VERY CLEAR AM-PM HAD CIRRUS COVERING MOST OF SKY AFTER 1640
Oct-16	OBSERVED DEW BEFORE RAIN SHOWER THAT STARTED AT 0707-A MUCH NEEDED ALL DAY RAIN-MOST RAIN SINCE JUNE 7 WHEN 3.81 INCHES WAS REC.
Oct-17	COLDEST AM SINCE MAY 1, 2019 WHEN IT WAS 41.2°F-DEW HARD TO DETERMINE BECAUSE OF RAIN YESTERDAY-SKY BECAME CLEAR AT 1630 TO DARK
Oct-18	COLDEST AM SINCE APR. 3, 2019 WHEN IT WAS 30.0°F-A VERY CLEAR DAY WITH NO CLOUDS SEEN-SOME FROST SEEN ON ROOFS BUT NOT ON GROUND
Oct-19	CLEAR TO 1000 THEN THIN FIBROUS CIRRUS TO NOON-AM EST. 25-30% CLOUDY-PM CLOUDY WITH CIRROSTRATUS-TROPICAL LOW TO PASS SE OF GLEN ALLEN TOMORROW
Oct-20	ALL DAY RAIN MAKING UP FOR DROUGHT CONDITIONS-LOW PRESSURE CAUSING RAIN WAS FROM REMNANTS OF TROPICAL STORM NESTOR
Oct-21	CLOUDY ALL DAY AND A SMALL TEMP. RANGE AND VERY DAMP DAY WITH MIN. RH OF 86%
Oct-22	CLOUDY ALL DAY AND DAMP WITH A LOW TEMP. RANGE AND A WEAK COLD FRONT THAT PASSED AT 1730
Oct-23	A VERY CLEAR DAY AND A PLEASANT PM-EARLY AM FOG ADVISORY WAS CANCELED - VERY WET EARLY AM
Oct-24	EXTREMELY HEAVY DEW THIS AM-A BEAUTIFUL FALL AFTERNOON WITH DEEP BLUE SKY AND LOW HUMIDITY
Oct-25	WITH CLOUDS AND VERY HEAVY DEW ON GRASS IT DIDN'T DRY UNTIL 1100-BROKEN OVERCAST MOST OF DAY
Oct-26	ONLY SUN WAS FROM 1330-1430 AND THAT WAS THROUGH THIN BROKEN CLOUDINESS-AM SPRINKLE HARDLY DISCERNIBLE
Oct-27	RAINY AM BUT CLEARING STARTED AT 1245 AND WAS MAINLY CLEAR UNTIL DARK
Oct-28	A BEAUTIFUL FALL DAY-A GOOD DAY TO CATCH UP ON YARD WORK
Oct-29	CLOUDY AND BROKEN OVERCAST-ONLY PD. THAT WAS MAINLY CLEAR WAS AROUND 1330-ALSO VERY LITTLE WIND TODAY
Oct-30	CLOUDY AND BROKEN OVERCAST WITH A RECORD WARM NIGHT FOR THE DATE AND AFTERNOON SPRINKLES
Oct-31	TORNADO WARNING ISSUED FOR HENRICO CO - MAX WIND OF 42 MPH FROM THE SOUTH AHEAD OF THE TS AND FRONT- 3RD PERIOD OF SHOWERS 1110 TO 1250 - 4TH PD. 2035 TO 2400

DATE

EXTENSION OF LENGTHY DAILY REMARKS

Oct-03	CUMULUS BET. 1445-1645-PM EST. 25-30% CLOUDY
Oct-31	THE THUNDERSTORM WAS RATED 1-4-2 WITH 5 OR 6 THUNDERS AND ONE LIGHTNING STRIKE NEAR THR SPRINGFIELD PARK STATION

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

[Rules for making Observations in 2019](#)

The Glen Allen Station had 19 Records or Record Ties for October 2019

1	The maximum temperature on the 1st was 89.4°F, a new 11-year daily HIGH maximum temperature record for the date - the old record was 83.3°F in 2018. The minimum temperature on the 1st was 68.5°F, a new 11-year warm daily minimum temperature record for the date - the old record was 66.4°F in 2016.
2	The maximum temperature on the 2nd was 97.6°F, a new 11-year daily HIGH maximum temperature record for the date - the old record was 86°F in 2013. The minimum temperature on the 2nd was 71.7°F, a new 11-year warm daily minimum temperature record for the date - the old record was 64°F in 2012.
3	The maximum temperature on the 3rd was 98.4°F, a new 11-year daily HIGH maximum temperature record for the date - the old record was 89°F in 2018. The daily temperature range on the 3rd was 29.4°F, a new 11-year HIGH daily temperature range record for the date - the old record was 29°F in 2008.
4	
5	
6	The daily temperature range on the 6th was 11.8°F, a new 11-year LOW daily temperature range record for the date - the old record was 14.8°F in 2016.
7	
8	
9	
10	
11	
12	The daily temperature range on the 12th was 31.3°F, a new 11-year HIGH daily temperature range record for the date - the old record was 31°F in 2010.
13	
14	
15	The daily temperature range on the 15th was 31°F, a new 11-year HIGH daily temperature range record for the date - the old record was 25.1°F in 2015.
16	The daily precipitation on the 16th was 1.88 inches, a new 11 year HIGH daily precipitation record for the date - the old record was 0.19 inches in 2017.
17	
18	
19	
20	The daily temperature range on the 20th was 5°F, and EQUALED the, 11-year LOW daily minimum temperature range record for the date - the old record was set in 2010. The daily precipitation on the 20th was 1.71 inches, a new 11 year HIGH daily precipitation record for the date - the old record was 0.96 inches in 2010.
21	The daily temperature range on the 21st was 5.6°F, a new 11-year LOW daily temperature range record for the date - the old record was 20°F in 2016.
22	The daily precipitation on the 22nd was 0.64 inches, a new 11 year HIGH daily precipitation record for the date - the old record was 0.42 inches in 2014. The daily temperature range on the 22nd was 7.8°F, a new 11-year LOW daily temperature range record for the date - the old record was 10°F in 2014. The minimum temperature on the 22nd was 56.6°F, a new 11-year warm daily minimum temperature record for the date - the old record was 52°F in 2009.
23	
24	The daily temperature range on the 24th was 31.6°F, a new 11-year HIGH daily temperature range record for the date - the old record was 28°F in 2012.
25	
26	
27	
28	
29	
30	The minimum temperature on the 30th was 55.4°F, a new 11-year warm daily minimum temperature record for the date - the old record was 54°F in 2009.
31	The maximum temperature on the 31st was 80.9°F, a new 11-year daily HIGH maximum temperature record for the date - the old record was 73°F in 2010.

OCTOBER TEMPERATURE GRAPH

