

PAGE #1		Sep 2019 West Henrico Co. - Glen Allen Weather Center 37.65537° N. 77.56929° W. - Koontz																			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19			
Sep 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			
Sep-01	Sun	87.0	14:51	67.3	6:13	19.7	77.2	-0.5	76	2	1										
Sep-02	Mon	89.7	15:34	68.8	6:28	20.9	79.3	2.1	76	1	2										
Sep-03	Tue	88.1	14:16	69.1	6:29	19.0	78.6	-0.7	77	0	1										
Sep-04	Wed	91.8	12:47	70.1	6:57	21.7	81.0	2.3	77	0	1										
Sep-05	Thu	78.8	12:58	72.1	23:43	6.7	75.5	-5.5	78	2	2										
Sep-06	Fri	80.6	14:34	64.7	23:36	15.9	72.7	-2.8	76	2	2	T	T	T			0218	0225			
Sep-07	Sat	88.8	14:31	59.8	6:41	29.0	74.3	1.6	75	0	1										
Sep-08	Sun	88.8	14:54	63.9	6:50	24.9	76.4	2.1	75	0	1										
Sep-09	Mon	86.5	13:49	68.0	3:45	18.5	77.3	0.9	75	2	1										
Sep-10	Tue	88.8	15:11	65.6	5:47	23.2	77.2	-0.1	76	2	1										
Sep-11	Wed	94.5	15:31	68.5	6:02	26.0	81.5	4.3	76	0	0	0.05	0.05	0.02			1947	2040			
Sep-12	Thu	96.5	14:56	70.9	6:56	25.6	83.7	2.2	76	0	0	0.03	0.01	T			0001	0025			
Sep-13	Fri	76.6	0:01	68.4	23:48	8.2	72.5	-11.2	77	2	2	0.02	0.01	T			0628	0710			
Sep-14	Sat	82.6	15:28	67.4	4:12	15.2	75.0	2.5	76	2	2										
Sep-15	Sun	84.4	15:36	69.9	23:49	14.5	77.2	2.2	76	2	0	T	T	T			0840	0845			
Sep-16	Mon	92.4	15:30	65.2	6:23	27.2	78.8	1.7	75	0	0										
Sep-17	Tue	78.5	15:37	64.0	23:58	14.5	71.3	-7.6	76	2	2	0.04	0.04	0.02			1118	1140			
Sep-18	Wed	78.0	15:02	58.4	5:11	19.6	68.2	-3.1	75	0	1										
Sep-19	Thu	73.9	13:20	52.4	6:52	21.5	63.2	-5.1	73	0	0										
Sep-20	Fri	79.9	15:07	47.9	6:54	32.0	63.9	0.8	72	0	0										
Sep-21	Sat	89.6	14:37	57.9	6:09	31.7	73.8	9.8	71	0	0										
Sep-22	Sun	92.4	14:06	66.8	5:59	25.6	79.6	5.8	72	0	0										
Sep-23	Mon	93.2	15:07	69.5	7:23	23.7	81.4	1.8	73	1	0	T	T	T			2123	2125			
Sep-24	Tue	84.9	13:53	60.1	23:58	24.8	72.5	-8.8	74	0	1										
Sep-25	Wed	84.9	15:06	52.9	6:53	32.0	68.9	-3.6	73	0	0										
Sep-26	Thu	93.6	15:44	66.9	5:50	26.7	80.3	11.4	72	0	1	0.03	0.03	0.02			1819	1825			
Sep-27	Fri	86.7	15:21	64.8	6:51	21.9	75.8	-4.5	73	1	1										
Sep-28	Sat	91.5	15:47	68.0	0:08	23.5	79.8	4.0	73	2	1										
Sep-29	Sun	92.4	13:58	70.6	7:20	21.8	81.5	1.8	74	0	0										
Sep-30	Mon	81.8	14:06	68.4	5:44	13.4	75.1	-6.4	74	2	2	T	T	T			1543	1550			
TOTAL		2597		1948		648.9	2272.8	-2.6	2242	25	26	0.17	0.14	0.06	0.0	0.0	Col.26-27				
NUMBER		30	30	30	30	30	30	30	30	30	30	5	5	3	0	0	DAILY AVE RH				
AVERAGE		86.57	14:14	64.94	9:33	21.63	75.76		74.73	0.83	0.87	Ave. Tot.	Ave. Max	Ave. Max			74.6	Percent			
Normals		81.52		62.40		19.05	71.89		73.78	1.02	1.11	4.17	0.70	0.20			75.2	Percent			
Departures		5.05		2.54		2.58	3.86		0.96	-0.19	-0.25	-4.00	-0.65	-0.18			-0.7	Percent			
Max. Temps. >= 70°F		96.5	Ave.High Max	72.1	Ave.High Min	32	83.7	11.4	78	Whole Day		0.05	0.05	0.02			Precip	24 Hr.			
2019 30		Sep-12	93.4	Sep-05	73.1	Sep-20	Sep-12	Sep-26	Sep-05	Average 0.85		Sep-11	Sep-11	Sep-11			Amount	0.08			
Ave. 28.5			Dep.		Dep.					Normal 1.09							Date	09-11			
Departure 1.5			3.2		-1.0					Depart -0.24							Date	09-12			
Min. Temps. <= 32°F		73.9	Ave.Low Max	47.9	Ave.Low Min	6.7	63.2	-11.2	71	SKY		AM	PM	>= 0.10 INCHES	>= 1.00 INCHES	>= 2.00 INCHES					
2019 0		Sep-19	66.6	Sep-20	49.9	Sep-05	Sep-19	Sep-13	Sep-21	CLEAR		16	11	0	DAYS	0	DAYS	0	DAYS		
Ave. 0.0			Dep.		Dep.					PT. CLO.		3	12								
Departure 0.0			7.3		-2.0					CLOUDY		11	7	HOTTEST DAY	83.7 9-12	Highest Mean	Lowest Mean	COOLEST DAY	63.2 9-19		
Days Max. <=32 °F		0			MAX.	≥95	≥90	≥85	≥80	≥75	≥70	≥65	≥60	≥55	≥50	≥45					
Days Max. >=90°F		11			DAYS	2	11	20	25	29	30	30	30	30	0	0					

Sep 2019	2nd PERIOD		WIND			REL. HUMIDITY		BAROMETRIC PRESSURE				R						
	START	END	RUN	MAX.	TIME	MAX.	MIN.	MAX.	MIN.	AVE.	CHANGE	GLAZE	SLEET	SNOW	FOG	DEW	FROST	
Sep-01			61.7	14	14:21	96	58	30.27	30.15	30.21	0.04				2		4	
Sep-02			39.4	18	23:09	98	57	30.16	29.94	30.05	-0.16						4	
Sep-03			62.0	13	21:37	96	60	30.06	29.98	30.02	-0.03						4	
Sep-04			86.4	18	11:46	98	60	30.04	29.91	29.98	-0.04						4	
Sep-05			111.0	18	22:10	93	81	30.01	29.88	29.95	-0.03						N	
Sep-06			155.9	26	10:37	92	60	29.89	29.74	29.82	-0.13						N	
Sep-07			30.0	12	15:52	98	45	29.99	29.83	29.91	0.09				1		5	
Sep-08			43.8	11	9:49	96	48	30.09	29.99	30.04	0.13						4	
Sep-09			50.4	12	9:16	93	57	30.20	30.09	30.15	0.11						N	
Sep-10			35.6	12	20:47	97	55	30.34	30.23	30.29	0.14						4	
Sep-11	2340	2400	70.6	17	19:22	97	52	30.28	30.06	30.17	-0.11				1		4	
Sep-12	2100	2125	38.4	12	15:17	96	48	30.14	30.03	30.09	-0.09						P	
Sep-13	1325	1440	75.1	16	9:50	96	83	30.36	30.11	30.24	0.15				2		4	
Sep-14			33.5	10	11:48	92	69	30.34	30.17	30.26	0.02						1	
Sep-15			37.6	11	10:09	96	65	30.18	30.08	30.13	-0.13						3	
Sep-16			31.7	9	20:29	98	40	30.10	29.94	30.02	-0.11						5	
Sep-17			51.2	15	11:15	93	68	30.11	29.97	30.04	0.02						2	
Sep-18			48.7	15	15:02	97	49	30.25	30.10	30.18	0.14						4	
Sep-19			50.0	13	10:18	97	49	30.34	30.25	30.30	0.12						5	
Sep-20			41.2	14	13:10	99	44	30.35	30.21	30.28	-0.02						5	
Sep-21			53.2	11	12:28	90	47	30.27	30.15	30.21	-0.07						3	
Sep-22			80.9	16	22:17	89	48	30.20	30.04	30.12	-0.09						2	
Sep-23			100.0	19	15:34	85	38	30.06	29.84	29.95	-0.17						N	
Sep-24			47.0	14	13:54	90	43	29.93	29.84	29.89	-0.07						3	
Sep-25			31.7	12	16:11	96	40	30.00	29.86	29.93	0.05						4	
Sep-26			63.7	14	11:50	96	43	29.95	29.75	29.85	-0.08						4	
Sep-27			67.4	15	15:33	90	50	30.13	29.94	30.04	0.18						P	
Sep-28			44.6	11	3:44	90	61	30.13	30.05	30.09	0.05						N	
Sep-29			62.1	15	17:16	97	54	30.23	30.10	30.17	0.07						5	
Sep-30			59.9	14	16:54	94	67	30.26	30.15	30.21	0.04						3	
TOTAL	Column 23		1764.7	427		2835	1639	904.66	900.38	902.52	TOTAL	0	0	0	3	1	23	0
NUMBER	Mar. Wind Run		30	30	30	30	30	30	30	30	NORMAL	0.0	0.0	0.0	3.1	3.1	18.5	0.0
AVERAGE	Total 1764.7		58.82	14.2	14:43	94.50	54.63	30.16	30.01	30.08	DEPART.	0.0	0.0	0.0	-0.1	-2.1	4.5	0.0
Normals	Miles 1429.7		47.83	15.9		95.3	55.1	30.09	29.96	30.054	Rating ▶	0	0	0	5	1	86	0
Departures	Miles 335.0		10.99	-1.7		-0.8	-0.4	0.07	0.05	0.030	Intensity	GLAZE	SLEET	SNOW	FOG	R	Dew	Frost
MAXIMUM DATES		Dates	155.9 Sep-06	26 Sep-06	NW 10:37	99 Sep-20	83 Sep-13	30.36 Sep-13	30.25 Sep-19	30.30 Sep-19	0.18 Sep-27	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.						
Min. Temps. >= 70°F																		
2019 6		Dates	30.0	9	26.1	85	38	29.89	29.74	29.82	-0.17							
Ave. 4.8		1	Sep-07	Sep-16	Dep. -0.1	Sep-23	Sep-23	Sep-06	Sep-06	Sep-06	Sep-23							
Departure 1.2		2																
Days Min. <=32 °F		0	MIN.		<=75	<=70	<=65	<=60	<=55	<=50	<=45	<=40						
Days Min >=70°F		6	DAYS		30	24	9	5	3	1	0	0						

PAGE #3		West Henrico Co. - Glen Allen Weather Center 37.65537° N. 77.56929° W. - Koontz	
39		40	
Sep 2019	REMARKS FOR THE MONTH September - 2019		
Sep-01	LIGHT AM FOG & LATE CLEARING-PM PARTLY CLO. WITH CUMULUS-HURRICANE DORIAN NOW CATEGORY 5		
Sep-02	LOW STRATUS BROKE UP AROUND 0945-AM EST. 50-60% CLOUDY-PM EST. 20-25% CLOUDY		
Sep-03	CUMULUS CAME IN AT 1030 & WAS PC FOR REST OF DAY-AM EST. 30% CLOUDY AND PM EST. 55% CLOUDY		
Sep-04	VERY CLEAR AM - CUMULUS CLOUDS CAME IN AT 1230 BUT WERE FEW UNTIL 1530 & MOSTLY CLOUDY BY 1630		
Sep-05	HURRICANE DORIAN APPROACHING WILMINGTON, NC THIS EVENING-LITTLE AM SUN THROUGH CIRROSTRATUS BUT THEN CLO. REST OF DAY		
Sep-06	HURRICANE DORIAN HAD VERY LITTLE EFFECT ON RICHMOND HOWEVER AIRPORT GOT 0.38 INCHES OF RAIN BUT WE HAD BUT A TRACE-CLEARING STARTED AT 1615-PM EST. 75% CLO.		
Sep-07	CLEAR & COOL EARLY AM BUT QUICK WARMUP IN PM GIVING LARGE TEMP. RANGE OF 30°F		
Sep-08	AM HAD CIRRUS SO THIN IT WASN'T NOTABLE AND CUMULUS CAME IN DURING 2 PDS. IN AFTERNOON		
Sep-09	12 DAYS WITH NO MEASURABLE RAIN-AM WAS CLO. UNTIL 0830 THEN FILTERED SUN THROUGH CIRROSTRATUS UNTIL 1330 THEN MAINLY PC REST OF DAY-VERY DRY NOW		
Sep-10	AM WAS MOSTLY CLO. WITH A LOT OF FILTERED SUN-SOME CLEARING STARTED AT 1130		
Sep-11	TS RATED 1-2-1 WITH 6 THUNDERS HEARD BET. 1948-2011-FOG CLOUDS ALOFT UNTIL 0830-PM CLOUDS MAINLY AFTER 1800		
Sep-12	VERY CLEAR AND HOT DAY - REC. HEAT- HOTTEST 12TH SINCE 1900-TIED REC. OF 98°F-3RD PD. OF PRECIP. 2340-2400		
Sep-13	LISTED 2 MAIN PDS. OF DRIZZLE BUT 7 OTHER MINOR PDS. OF DRIZZLE AND MIST OCCURRED TODAY		
Sep-14	CLOUDY MOST OF DAY AND WARMER - WINDS SHIFTED FROM EAST TO NE THEN SOUTHERLY BY 1100		
Sep-15	VERY CLOUDY TO 1300 THEN CLEARING AT 1410 WITH WARMER AND HUMID TEMPS. - MAX. DEW POINT WAS 72.7°F AT 0953		
Sep-16	NO CLOUDS SEEN IN AM BUT SOME CUMULUS AFTER 1200 BUT ONLY SCATTERED AND FEW IN NUMBER		
Sep-17	COLD FRONT PASSED JUST BEFORE NOON AND HEAVIEST OF SHOWER PASSED TO WEST AND SW-HEAVY PM CLOUDS		
Sep-18	CUMULUS STARTED COMING IN AT 1030-PM WAS PC WITH CUMULUS THEN CLEARED AT 1715		
Sep-19	COOLEST AM SINCE JUNE 4, 2019 WHEN IT WAS 49.4°F-SCATTERED CIRRUS AND CUMULUS TO NOON-PM VERY CLEAR AFTER 1430		
Sep-20	COOLEST AM SINCE MAY 1, 2019 WHEN IT WAS 41.2°F-EXTREMELY HEAVY DEW-VERY CLEAR DRYING DAY-DROUGHT IN PROGRESS		
Sep-21	VERY CLEAR DAY WITH A LARGE TEMP. RANGE ALSO VERY DRY SEPT. WITH NO RAIN IN 7 DAY FORECAST		
Sep-22	ANOTHER VERY CLEAR DRY DAY WITH LARGE TEMP. RANGE-HURRICANE JERRY WELL OFF EAST COAST IN ATLANTIC		
Sep-23	NO DEW BECAME OF AM BREEZE-LAWNS ARE DYING THAT AREN'T IRRIGATED-CIRRUS IN AM EST. 35-40% COVERAGE BUT SUNLIGHT PASSING THROUGH THIN CIRRUS-PM EST. 15-20% WITH CIRRUS COVERAGE		
Sep-24	STILL VERY WARM BUT A COOLER DAY WITH A CLEAR AM UNTIL 1100 THEN CUMULUS CAME IN AND IT WAS PC TO 1500 THEN CLEAR AGAIN-PM EST. 35-40% CLOUDY		
Sep-25	VERY CLEAR DAY AND A SERIOUS DROUGHT IS SETTING IN-THE DRIEST SEPT. ON REC. AT THIS STATION		
Sep-26	CLEAR TO 1130 THEN CLO. UNTIL 1315 THEN CLEAR TO 1620 FOLLOWED BY CLOUDS FROM COLD FRONTAL PASSAGE GIVING A SHOWER		
Sep-27	MORE CIRRUS IN AM AND CUMULUS IN PM - NOT ONLY DRIEST SEPT. WHICH WAS 1.52 INCHES IN 2013 BUT WITH NO ADDITIONAL RAIN WILL BE DRIEST MONTH EVER REC.		
Sep-28	VERY CLO. UNTIL 1020 WHEN A LITTLE SUN BROKE THROUGH FOLLOWED BY MORE CLOUDS THEN PC BECOMING CLEAR AT 1400 FOLLOWED BY CLOUDY SKIES AFTER 1645		
Sep-29	ANOTHER CLEAR HOT DRY DAY AND NO ADDITIONAL RAIN FORECAST FOR MONTH-CLEAR AM WITH CUMULUS COMING IN AT 1345 BUT THE PM WAS LESS THAN 30% CLOUDY		
Sep-30	CLOUDY ALL DAY AND MUCH COOLER WITH A QUICK SPRINKLE JUST BEFORE 1600.		
DATE	EXTENSION OF LENGTHY DAILY REMARKS		

SEPTEMBER TEMPERATURE GRAPH

