

PAGE #1		Sep 2020 West Henrico Co. - Glen Allen Weather Center 37.65537° N. 77.56929° W. - Koontz																	
Sep 2020	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	Tue	80.6	15:39	68.3	3:55	12.3	74.5	1.9	77	2	2	0.15	0.11	0.05			0001	0110	
Sep-02	Wed	90.4	15:19	75.1	4:28	15.3	82.8	8.3	77	2	1	0.01	0.01	0.01			1950	2025	
Sep-03	Thu	94.1	13:37	71.4	6:49	22.7	82.8	0.0	78	0	0								
Sep-04	Fri	92.3	14:38	71.0	6:31	21.3	81.7	-1.1	79	0	0	0.01	0.01	T			1950	2035	
Sep-05	Sat	80.8	15:11	61.4	23:57	19.4	71.1	-10.6	79	0	0								
Sep-06	Sun	84.4	15:03	56.8	6:45	27.6	70.6	-0.5	77	0	0								
Sep-07	Mon	84.3	15:08	57.5	6:41	26.8	70.9	0.3	76	0	0								
Sep-08	Tue	85.6	14:21	61.4	6:06	24.2	73.5	2.6	76	0	2								
Sep-09	Wed	79.7	16:44	71.8	0:39	7.9	75.8	2.3	76	2	2	0.30	0.16	0.10			0755	1615	
Sep-10	Thu	87.7	15:52	74.6	7:16	13.1	81.2	5.4	76	2	2	0.12	0.09	0.03			0110	0235	
Sep-11	Fri	83.8	15:39	72.3	6:51	11.5	78.1	-3.1	77	2	2	0.02	0.01	0.01			1310	1335	
Sep-12	Sat	76.7	15:13	63.0	23:53	13.7	69.9	-8.2	77	2	2	T	T	T			0740	1045	
Sep-13	Sun	84.7	15:00	59.9	7:07	24.8	72.3	2.5	76	0	0								
Sep-14	Mon	78.4	15:50	63.3	22:38	15.1	70.9	-1.5	76	2	2	T	T	T			1130	1134	
Sep-15	Tue	69.6	14:55	54.4	6:36	15.2	62.0	-8.8	75	0	0								
Sep-16	Wed	76.5	15:00	52.2	3:17	24.3	64.4	2.3	73	0	2								
Sep-17	Thu	70.0	14:46	63.4	3:55	6.6	66.7	2.4	73	2	2	1.74	0.44	0.03			0830	2400	
Sep-18	Fri	75.8	15:19	61.6	23:58	14.2	68.7	2.0	72	2	2	0.07	0.04	0.01			0001	0230	
Sep-19	Sat	63.0	14:45	47.9	23:59	15.1	55.5	-13.3	72	1	2								
Sep-20	Sun	68.2	15:06	43.1	7:04	25.1	55.7	0.2	70	0	0								
Sep-21	Mon	67.6	14:32	44.0	6:21	23.6	55.8	0.1	69	0	0								
Sep-22	Tue	71.4	15:18	40.5	7:09	30.9	56.0	0.2	68	0	0								
Sep-23	Wed	79.7	14:35	46.5	6:59	33.2	63.1	7.2	67	0	1								
Sep-24	Thu	70.0	16:35	56.3	2:08	13.7	63.2	0.0	68	2	2	0.01	0.01	T			0815	0915	
Sep-25	Fri	70.3	13:56	59.9	6:05	10.4	65.1	2.0	68	2	2	1.15	0.44	0.15			0420	0430	
Sep-26	Sat	70.0	16:17	60.8	2:00	9.2	65.4	0.3	67	2	2	1.28	1.11	0.17			0001	0225	
Sep-27	Sun	76.9	14:29	65.5	21:11	11.4	71.2	5.8	68	2	2								
Sep-28	Mon	83.9	14:28	64.7	7:12	19.2	74.3	3.1	69	1	1								
Sep-29	Tue	84.1	14:36	56.4	23:56	27.7	70.3	-4.1	70	2	2	0.67	0.43	0.04			0623	0705	
Sep-30	Wed	70.7	14:38	55.1	7:42	15.6	62.9	-7.3	70	0	0	0.09	0.05	0.01			0001	0220	
TOTAL NUMBER		2351		1800		551.1	2075.7	-9.6	2196	30	35	5.62	2.91	0.61	0.0	0.0	Col.26-27		
AVERAGE		30	30	30	30	30	30	30	30	30	30	13	13	11	0	0	DAILY AVE RH		
Normals		78.37	15:04	60.00	9:46	18.37	69.19		73.20	1.00	1.17	Ave. Tot.	Ave. Max	Ave. Max			79.6	Percent	
Departures		81.98		62.63		19.26	72.22		73.86	1.01	1.09	3.81	0.64	0.18			75.2	Percent	
Max. Temps. >= 70°F	94.1	Ave.High Max	75.1	Ave.High Min	33.2	82.8	8.3	79	Whole Day			1.74	1.11	0.17			Precip	24 Hr.	
2020	27	Sep-03	93.6	Sep-02	73.0	Sep-23	Sep-02	Sep-02	Sep-04	Average	1.08	Sep-17	Sep-26	Sep-26			Amount	2.43	
Ave.	28.7	Dep.	0.5	Dep.	2.1		Sep-03	Sep-05	Normal	1.08							Date	09-25	
Departure	-1.7								Depart	0.01							Date	09-26	
Min. Temps. <= 32°F	63.0	Ave.Low Max	40.5	Ave.Low Min	6.6	55.5	-13.3	67	SKY		AM	PM	>= 0.10	INCHES	>= 1.00	INCHES	>= 2.00	INCHES	
2020	0	Sep-19	67.2	Sep-22	49.7	Sep-17	Sep-19	Sep-23	CLEAR	14	11	7	DAYS	3	DAYS	0	DAYS		
Ave.	0.0	Dep.	-4.2	Dep.	-9.2			Sep-26	PT. CLO.	2	3	HOTTEST	82.8	Highest	Lowest	COOLEST	55.5		
Departure	0.0								CLOUDY	14	16	DAY	9-02	Mean	Mean	DAY	9-19		
Days Max. <=32°F	0		MAX.	>=95	>=90	>=85	>=80	>=75	>=70	>=65	>=60	>=55	>=50	>=45					
Days Max. >=90°F	3		DAYS	0	3	6	15	20	27	29	30	30	0	0					

20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38

Sep 2020	2nd PERIOD		WIND			REL. HUMIDITY		BAROMETRIC PRESSURE										
	START	END	RUN	MAX.	TIME	MAX.	MIN.	MAX.	MIN.	AVE.	CHANGE	GLAZE	SLEET	SNOW	FOG	DEW	FROST	
Sep-01	0225	0230	39.1	13	16:21	98	84	30.05	30.00	30.03	0.03					P		
Sep-02			73.1	16	14:36	98	69	30.03	29.83	29.93	-0.09					3		
Sep-03			65.8	17	14:32	99	57	29.91	29.76	29.84	-0.09					5		
Sep-04			40.2	15	19:21	96	50	30.07	29.82	29.95	0.11					4		
Sep-05			70.3	16	11:34	96	40	30.26	30.07	30.17	0.22					N		
Sep-06			25.0	12	13:11	99	42	30.25	30.14	30.20	0.03					5		
Sep-07			20.9	15	14:37	98	39	30.14	30.00	30.07	-0.13					5		
Sep-08			39.5	12	12:47	100	61	30.16	30.04	30.10	0.03			2		5		
Sep-09	2125	2130	58.4	12	9:46	98	87	30.23	30.15	30.19	0.09					4		
Sep-10	0300	0325	36.0	9	0:01	99	74	30.21	30.10	30.16	-0.03					P		
Sep-11			64.6	16	16:34	99	75	30.18	30.08	30.13	-0.03					5		
Sep-12			61.1	16	11:56	95	71	30.22	30.15	30.19	0.05					1		
Sep-13			29.2	9	13:57	99	58	30.20	30.02	30.11	-0.07					4		
Sep-14			78.9	18	10:12	98	60	30.24	30.06	30.15	0.04					4		
Sep-15			63.7	13	9:17	96	56	30.35	30.23	30.29	0.14					3		
Sep-16			21.4	12	12:52	98	55	30.29	30.13	30.21	-0.08					4		
Sep-17			25.7	11	22:08	98	87	30.13	29.89	30.01	-0.20					2		
Sep-18	0340	0345	121.6	21	12:30	98	69	30.13	29.84	29.99	-0.02					P		
Sep-19			104.0	19	3:17	93	50	30.37	30.12	30.25	0.26					N		
Sep-20			79.4	18	14:16	96	44	30.50	30.36	30.43	0.18					4		
Sep-21			66.8	18	13:31	94	48	30.55	30.38	30.47	0.04					4		
Sep-22			22.3	10	16:05	99	41	30.38	30.05	30.22	-0.25					5		
Sep-23			10.9	9	15:36	99	37	30.08	29.99	30.04	-0.18					5		
Sep-24	1025	1225	19.1	9	11:28	97	78	30.09	29.99	30.04	0.01					4		
Sep-25	0630	1230	45.2	13	14:56	97	73	30.17	30.06	30.12	0.08					P		
Sep-26	0425	0600	45.4	9	2:54	99	90	30.07	29.98	30.03	-0.09				2	P		
Sep-27			14.0	7	16:00	98	70	30.02	29.91	29.97	-0.06					3		
Sep-28			97.9	17	16:37	98	65	29.95	29.86	29.91	-0.06					4		
Sep-29	2031	2400	90.8	20	21:35	97	65	29.89	29.65	29.77	-0.14					P		
Sep-30			75.2	17	11:06	98	52	29.96	29.64	29.80	0.03					P		

TOTAL	Column 23		1605.5	419		2927	1847	905.08	900.30	902.69	TOTAL	0	0	0	2	0	21	0
NUMBER	Mar. Wind Run		30	30	30	30	30	30	30	30	NORMAL	0.0	0.0	0.0	3.1	2.9	18.8	0.0
AVERAGE	Total	1605.5	53.52	14.0	13:07	97.57	61.57	30.17	30.01	30.09	DEPART.	0.0	0.0	0.0	-1.1	-2.9	2.2	0.0
Normals	Miles	1457.6	48.75	15.8		95.2	55.0	30.06	29.94	30.056	Rating ▶	0	0	0	4	0	83	0
Departures	Miles	147.9	4.77	-1.8		2.4	6.5	0.11	0.07	0.033	Intensity	GLAZE	SLEET	SNOW	FOG		Dew	Frost

MAXIMUM DATES		Dates	121.6	21	NNW	100	90	30.55	30.38	30.47	0.26	GLAZE	SLEET	SNOW	FOG		Dew	Frost
		1	Sep-18	Sep-18	12:30	Sep-08	Sep-26	Sep-21	Sep-21	Sep-21	Sep-19							
		2																
		3																
Min. Temps. >= 70°F		4			Ave. Max.							5. Very Heavy						
2020 6		Dates	10.9	7	26.1	93	37	29.89	29.64	29.77	-0.25	4. Heavy-Unusual						
Ave. 4.9		1	Sep-23	Sep-27	Dep.	Sep-19	Sep-23	Sep-29	Sep-30	Sep-29	Sep-22	3. Moderate - Ave.						
Departure 1.1		2			-5.1							2. Light - >= Ave.						
Days Min. <=32 °F		0	MIN.	≤75	≤70	≤65	≤60	≤55	≤50	≤45	≤40	1. Very Light - Slight - Trace						
Days Min >=70°F		6	DAYS	28	24	21	12	7	5	3	0	M - Event with intensity missing						
N- None No Dew Obs.																		
P- Precip. prevent obs.																		

Sep
2020

REMARKS FOR THE MONTH

September - 2020

Sep-01	3RD PD. OF PRECIP. 0425-2430, 4TH PD. 1110-1140, 5TH PD. 1305-1415
Sep-02	A CLOUDY HUMID AM & A PC VERY HUMID PM WITH A MAX. DEW POINT OF 80.2 °F AT 1519
Sep-03	A VERY UNCOMFORTABLE SEPT. DAY-SUNNY, HOT AND VERY HUMID WITH MAX. DEW POINT OF 81.2 °F AT 1412
Sep-04	VERY CLEAR DAY WITH DEEP BLUE SKY AND ONLY A FEW FAIR WEATHER CUMULUS-COLD FRONT PASSED AT 1930
Sep-05	BREEZY NIGHT AND EVAPORATION OF DEW OCCURRED BY 0400-VERY BEAUTIFUL DAY WITH LOW RH OF 40% AT 1441
Sep-06	COOLEST AM SINCE JUNE 1, 2020 WHEN IT WAS 52.9 °F -VERY CLEAR DAY WITH A LOW RH OF 42% AT 1444
Sep-07	A FEW VERY THIN AM CIRRUS UNTIL 0945-THEN A VERY CLEAR DAY-LOW RH 39% AT 1413
Sep-08	HEAVIEST FOG OCCURRED AT 0745-CUMULUS CAME IN AT 1015-AM EST. 25-30% CLOUDY-PM STARTED PC AND BY 1400 WAS A BROKEN OVERCAST
Sep-09	CLOUDY AND RAINY DAY UNTIL ABOUT 1415 THEN SUN CAME OUT TO 1450-HEAVIER RAIN IN SE PORTION OF VA
Sep-10	3RD PD. 0500-0610, 4TH PD. 0645-0700, 5TH PD. 1320-1345-CLOUDY MOST OF DAY BUT A BROKEN OVERCAST AFTER 1530
Sep-11	MOSTLY CLOUDY WITH ONLY ONE SHOWER BUT AGAIN HEAVIER RAIN TO EAST OF I-95 BUT VERY HUMID DAY
Sep-12	SPRINKLES AND DRIZZLE IN AM AND MOSTLY CLOUDY PM WITH LOWER HUMIDITY
Sep-13	A SUNNY DAY AND ABOUT 3 DEGREES ABOVE AVERAGE AND HUMIDITY WASN'T AS HIGH
Sep-14	A CLOUDY COOL DAY AS A COLD FRONT PASSED AROUND 0800 GIVING A BREEZY DAY AND A LITTLE SPRINKLE
Sep-15	CLEAR DAY BUT DIM SUN BECAUSE OF THICK HAZE FROM OREGON AND CA WILD FIRES
Sep-16	COOLEST AM SINCE MAY 20, 2020 WHEN IT WAS 51.7 °F - STILL A HAZY DAY-CLOUDS CAME IN AT 1500
Sep-17	THE RAIN TODAY WAS FROM REMNANTS OF SALLY-ALL THE RAIN WAS STEADY BUT MOST RAIN SINCE AUG. 15, 2020
Sep-18	TODAY HAD A CLOUDY AM AND A PM THAT WAS BREEZY WITH A BROKEN OVERCAST-MAX. WIND 21 MPH AT 1230
Sep-19	COLDEST AM SINCE MAY 14, 2020 WHEN IT WAS 46.7 °F AND A BREEZY AM - COLDEST MAX. IN SEPT. SINCE SEPT. 17, 2011 WHEN IT WAS 62.7 °F
Sep-20	MIN. OF 43.1 °F IS THE LOWEST MIN. IN SEPT. ON RECORD AND 1 DEGREE FROM PREVIOUS REC. WHICH WAS 44 °F IN 2013
Sep-21	CUMULUS CLOUDS CAME IN AT 1115 AND DECREASED AT 1445
Sep-22	COLDEST AM SINCE MAY 11, 2020 WHEN IT WAS 30.8 °F ALSO COLDEST ON REC. FOR MONTH OF SEPT. (12 YEARS OF RECORDS) - NO CLOUDS SEEN TODAY
Sep-23	CLEAR UNTIL 1630 THEN CIRRUS CAME IN AND THICK CLOUDS BY 1800-CALM WIND MIDNIGHT -1040 THEN MAX. WIND DURING DAY 9 MPH-LOW RH OF 37% AT 1515
Sep-24	3RD PD. OF SPRINKLES 1420-1520 THAT OCCURRED FROM LOW PRESSURE THE REMAINS OF BETA-HEAVIER PRECIP. TO SOUTH-4TH PD. OF PRECIP. 1040-1050
Sep-25	3RD PD. OF SPRINKLES 1500-1550, 4TH PD. 1640-1700, 5TH PD. 1800-2400-MAIN PD. OF RAIN OCCURRED BET. 2030 AND MIDNIGHT
Sep-26	REC. RAINFALL FOR DATE
Sep-27	ANOTHER MOSTLY CLOUDY DAY WITH WARMER TEMPS. AND LITTLE WIND
Sep-28	VARIABLE CLOUDINESS BUT AM AVERAGED 50% CLOUDY AND PM AVERAGED 55-60% CLOUDY
Sep-29	DRIZZLE FROM 0623-0705-COLD FRONT PASSED AT 2015 GIVING HEAVIEST RAIN BET. 2210-2230
Sep-30	CLEARING AFTER COLD FRONT AND A BEAUTIFUL FALL LIKE DAY WITH BLUE SKIES AND LOW HUMIDITY

DATE

EXTENSION OF LENGTHY DAILY REMARKS

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](#)

DAILY RECORDS FOR THE MONTH

The Glen Allen Station had 20 Records or Record Ties in September 2020

1	
2	The minimum temperature on the 2nd was 75.1°F, a new 12-year warm daily minimum temperature record for the date - the old record was 72°F in 2014 and 2013.
3	
4	
5	
6	
7	
8	
9	
10	The minimum temperature on the 10th was 74.7°F, a new 12-year warm daily minimum temperature record for the date - the old record was 73.8°F in 2016.
11	The minimum temperature on the 11th was 72.3°F, a new 12-year warm daily minimum temperature record for the date - the old record was 72°F in 2013.
12	The maximum temperature on the 12th was 76.7°F, a new 12-year cool daily maximum temperature record for the date - the old record was 76.8°F in 2015.
13	
14	
15	The maximum temperature on the 15th was 69.6°F, a new 12-year cool daily maximum temperature record for the date - the old record was 76.3°F in 2016.
16	
17	
18	
19	The minimum temperature on the 19th was 49.4°F, a new 12-year LOW daily minimum temperature record for the date - the old record was 50°F in 2013.
	The maximum temperature on the 19th was 63°F, a new 12-year cool daily maximum temperature record for the date - the old record was 73°F in 2012.
20	The minimum temperature on the 20th was 42.9°F, a new 12-year LOW daily minimum temperature record for the date - the old record was 47.9°F in 2019.
	The maximum temperature on the 20th was 68.2°F, a new 12-year cool daily maximum temperature record for the date - the old record was 73°F in 2008.
21	The minimum temperature on the 21st was 44°F, a new 12-year LOW daily minimum temperature record for the date - the old record was 51°F in 2008.
	The maximum temperature on the 21st was 67.6°F, a new 12-year cool daily maximum temperature record for the date - the old record was 70°F in 2015.
22	The minimum temperature on the 22nd was 40.5°F, a new 12-year LOW daily minimum temperature record for the date - the old record was 58°F in 2013 and 2008.
	REMARK- This 40.5°F is also the lowest September temperature ever recorded at this station. (12 year database)
	The maximum temperature on the 22nd was 71.4°F, a new 12-year cool daily maximum temperature record for the date - the old record was 74.8°F in 2015.
	The daily temperature range on the 22nd was 30.9°F, a new 12-year HIGH daily temperature range record for the date - the old record was 26°F in 2010.
23	The minimum temperature on the 23rd was 46.5°F, a new 12-year LOW daily minimum temperature record for the date - the old record was 50°F in 2014 and 2013.
	The daily temperature range on the 23rd was 33.2°F, a new 12-year HIGH daily temperature range record for the date - the old record was 30°F in 2010.
24	
25	The daily precipitation on the 25th was 1.15 inches, a new 12 year HIGH daily precipitation record for the date - the old record was 0.29 inches in 2009.
26	The daily precipitation on the 26th was 1.28 inches, a new 12 year HIGH daily precipitation record for the date - the old record was 0.66 inches in 2009.
27	
28	
29	The daily temperature range on the 29th was 27.7°F, a new 12-year HIGH daily temperature range record for the date - the old record was 22.2°F in 2018 and 2017.
30	The maximum temperature on the 30th was 70.7°F, a new 12-year cool daily maximum temperature record for the date - the old record was 71.1°F in 2017.