

Sep 2017		2017 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 2017	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	Fri	73.0	0:02	52.4	19:30	20.6	62.7	-13.4	75	2	2	1.73	0.68	0.12			1050	1115
Sep-02	Sat	64.9	16:46	55.2	0:01	9.7	60.1	-2.7	69	2	2	0.32	0.08	0.02			0453	1455
Sep-03	Sun	79.6	15:26	61.3	7:13	18.3	70.5	10.4	70	1	1	0.05	0.04	0.03			0035	0135
Sep-04	Mon	83.8	15:04	55.8	6:27	28	69.8	-0.6	70	0	0							
Sep-05	Tue	87.0	14:55	68.0	7:06	19	77.5	7.7	72	0	0							
Sep-06	Wed	71.3	10:14	59.7	19:39	11.6	65.5	-12.0	73	2	2	0.51	0.30	0.07			0930	1155
Sep-07	Thu	75.4	14:30	55.0	23:58	20.4	65.2	-0.3	71	0	0							
Sep-08	Fri	76.9	13:52	49.0	6:47	27.9	63.0	-2.3	70	0	0							
Sep-09	Sat	73.3	14:28	53.9	7:11	19.4	63.6	0.6	70	0	0							
Sep-10	Sun	70.5	14:03	48.0	6:26	22.5	59.3	-4.3	69	0	2							
Sep-11	Mon	71.2	15:15	51.3	5:22	19.9	61.3	2.0	68	2	2	0.01	0.01	T			2305	2400
Sep-12	Tue	79.7	15:18	59.6	5:28	20.1	69.7	8.4	69	2	2	0.02	0.02	0.01			0001	0030
Sep-13	Wed	84.2	15:07	66.7	1:26	17.5	75.5	5.8	70	2	1	0.09	0.06	0.01			0001	0215
Sep-14	Thu	82.2	14:30	67.9	0:01	14.3	75.1	-0.4	70	2	2	0.01	0.01	T			0320	0440
Sep-15	Fri	83.8	13:54	65.2	7:33	18.6	74.5	-0.6	72	1	2							
Sep-16	Sat	84.6	12:08	65.6	1:37	19	75.1	0.6	73	1	2							
Sep-17	Sun	84.8	14:41	64.3	5:10	20.5	74.6	-0.5	74	2	1							
Sep-18	Mon	79.5	13:11	64.5	4:15	15	72.0	-2.6	74	1	1	0.01	0.01	T			1418	1445
Sep-19	Tue	84.3	15:18	66.4	23:42	17.9	75.4	3.3	73	2	1							
Sep-20	Wed	89.3	14:57	61.8	6:33	27.5	75.6	0.2	73	0	0							
Sep-21	Thu	88.6	14:13	64.1	6:16	24.5	76.4	0.8	74	0	1							
Sep-22	Fri	83.1	15:37	64.4	4:53	18.7	73.8	-2.6	74	1	2							
Sep-23	Sat	86.0	14:56	60.3	5:23	25.7	73.2	-0.6	73	0	0							
Sep-24	Sun	89.5	14:10	59.3	7:16	30.2	74.4	1.3	73	0	0							
Sep-25	Mon	88.8	14:32	64.2	5:48	24.6	76.5	2.1	73	1	2							
Sep-26	Tue	80.0	14:44	68.5	6:40	11.5	74.3	-2.3	73	2	2							
Sep-27	Wed	88.0	13:18	70.8	5:47	17.2	79.4	5.2	73	0	1							
Sep-28	Thu	87.5	13:54	64.0	23:58	23.5	75.8	-3.7	74	0	0							
Sep-29	Fri	76.9	14:45	54.7	7:17	22.2	65.8	-9.9	73	0	0							
Sep-30	Sat	71.1	14:16	51.2	7:22	19.9	61.2	-4.7	72	0	0							

TOTAL NUMBER	2419		1813		605.7	2116.0	-15.0	2157	26	31	2.75	1.21	0.26	0.0	0.0	Col.26-27		
AVERAGE	30	30	30	30	30	30	30	30	30	30	9	9	6	0	0	DAILY AVE RH		
Normals	80.63	13:56	60.44	8:12	20.19	70.53		71.90	0.87	1.03	Ave. Tot.	Ave. Max	Ave. Max			75.8	Percent	
Departures	81.27		61.96		19.30	71.61		73.62	1.01	1.08	4.01	0.68	0.20			74.0	Percent	
	-0.64		-1.53		0.89	-1.08		-1.72	-0.14	-0.05	-1.26	0.00	-0.08			1.8	Percent	
Max. Temps. >= 70°F	90		71		30.2	79.4	10.4	75	Whole Day			1.73	0.68	0.12			Precip	24 Hr.
2017	29	Sep-24	Sep-27		Sep-24	Sep-27	Sep-03	Sep-01	Average	0.95	Sep-01	Sep-01	Sep-01			Amount	2.04	
Ave.	28.3								Normal	1.06						Date	01 ST	
Departure	0.8								Depart	-0.11						Date	02 ND	
Min. Temps. <= 32°F	65		48		9.7	59.3	-13.4	68	SKY			>= 0.10	INCHES	>= 1.00	INCHES	>= 2.00	INCHES	
2017	0	Sep-02	Sep-10		Sep-02	Sep-10	Sep-01	Sep-11	CLEAR	14	11	3	DAYS	1	DAYS	0	DAYS	
Ave.	0.0								PT. CLO.	6	7	HOTTEST	79.4	Highest	Lowest	COOLEST	59.3	
Departure	0.0								CLOUDY	10	12	DAY	9-27	Mean	Mean	DAY	9-10	
Days Max. <=32 °F	0		MAX.	>=5	>=90	>=85	>=80	>=75	>=70	>=65	>=60	>=55	>=50	>=45				
Days Max. >=90°F	1		DAYS	0	1	10	20	23	29	30	30	30	0	0				

	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Sep 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								
Sep-01	1145	2040	82.4	17	8:53	96	70	30.19	29.97	30.08	0.10							N	
Sep-02	1810	1838	52.9	11	10:33	97	94	30.14	30.00	30.07	-0.01				3			P	
Sep-03	0250	0315	39.6	13	15:49	97	55	30.05	29.97	30.01	-0.06							P	
Sep-04			71.0	18	16:26	97	52	30.09	29.90	30.00	-0.02							5	
Sep-05			109.3	22	16:07	80	52	29.92	29.77	29.85	-0.15							N	
Sep-06	0145	2325	51.4	17	12:53	95	77	29.95	29.80	29.88	0.03							2	
Sep-07			33.3	15	16:19	96	45	30.12	29.95	30.04	0.16							P	
Sep-08			22.5	10	12:33	96	40	30.21	30.11	30.16	0.13							5	
Sep-09			75.4	18	12:35	91	46	30.33	30.21	30.27	0.11							3	
Sep-10			72.2	16	12:30	93	52	30.41	30.32	30.37	0.10							5	
Sep-11			59.8	15	10:44	95	61	30.33	30.12	30.23	-0.14							4	
Sep-12	2200	2400	68.9	15	13:37	93	63	30.13	29.91	30.02	-0.21							P	
Sep-13			53.0	19	16:01	96	53	29.94	29.85	29.90	-0.12				3			P	
Sep-14			71.5	16	12:24	92	54	29.99	29.87	29.93	0.03							P	
Sep-15			26.1	10	9:09	92	55	30.12	29.99	30.06	0.13							3	
Sep-16			22.3	11	12:29	94	57	30.16	30.09	30.13	0.07							4	
Sep-17			33.6	12	15:21	96	56	30.15	30.04	30.10	-0.03				2			5	
Sep-18			25.1	17	10:51	99	70	30.09	29.99	30.04	-0.05							5	
Sep-19			84.4	18	10:21	97	61	30.01	29.90	29.96	-0.09							3	
Sep-20			22.0	12	12:50	99	50	30.01	29.92	29.97	0.01							5	
Sep-21			39.0	12	12:51	97	48	30.07	29.99	30.03	0.06							4	
Sep-22			20.4	11	12:15	97	63	30.09	29.99	30.04	0.01							4	
Sep-23			41.7	13	14:25	99	49	30.10	30.02	30.06	0.02							5	
Sep-24			37.1	13	14:03	98	44	30.10	30.00	30.05	-0.01							5	
Sep-25			58.1	16	13:09	96	52	30.05	29.96	30.01	-0.04							4	
Sep-26			98.2	15	13:34	94	79	30.00	29.89	29.95	-0.06							N	
Sep-27			105.7	21	13:00	94	64	29.90	29.77	29.84	-0.11							3	
Sep-28			75.9	20	10:13	92	53	30.02	29.77	29.90	0.06							3	
Sep-29			46.9	13	1:13	86	46	30.13	30.00	30.07	0.17							2	
Sep-30			87.9	20	14:56	96	47	30.33	30.09	30.21	0.15							4	

TOTAL NUMBER	Column 23		1687.6	456		2840	1708	903.13	899.16	901.15	TOTAL	0	0	0	3	0	21	0
	Mar. Wind Run		30	30	30	30	30	30	30	30	NORMAL	0.0	0.0	0.0	2.2	2.8	18.3	0.0
AVERAGE	Total	1687.6	56.25	15.2	12:36	94.67	56.93	30.10	29.97	30.04	DEPART.	0.0	0.0	0.0	0.8	-2.8	2.7	0.0
Normals	Miles	1357.2	45.46	16.1		95.0	52.8	30.12	29.98	30.049	Rating ▶	0	0	0	8	0	83	0
Departures	Miles	330.4	10.80	-0.9		-0.4	4.1	-0.02	-0.01	-0.011	Intensity							

MAXIMUM DATES	Dates	109.3	22	NNE	99	94	30.41	30.32	30.37	0.17
	1	Sep-05	Sep-05	16:07	Sep-18	Sep-02	Sep-10	Sep-10	Sep-10	Sep-29
	2				Sep-20					
	3				Sep-23					
MINIMUM DATES	Dates	20.4	10		80	40	29.90	29.77	29.84	-0.21
	1	Sep-22	Sep-08		Sep-05	Sep-08	Sep-27	Sep-05	Sep-27	Sep-12
	2		Sep-15							
Days Min. <=32 °F	0	MIN. DAYS	<=75	<=70	<=65	<=60	<=55	<=50	<=45	<=40
Days Min >=70°F	1		30	29	21	11	6	2	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.

Sep 2017	REMARKS FOR THE MONTH September - 2017
Sep-01	RAIN STARTED AS SPRINKLES WAS HEAVIER AFTER 1800 AS A STRONG COLD FRONT PASSED AROUND 0645
Sep-02	3RD PD. OF PRECIP. 2115-2240-RAIN MOST OF DAY AS DRIZZLE, SPRINKLES AND SHOWERS LATER-FOG AND DRIZZLE GIVING VISIBILITY ABOUT 1/2 MILE
Sep-03	LOW FOG CLOUDS UNTIL 1000 BUT NOT AT GROUND LEVEL THEN MOSTLY CLEAR TO NOON & PM WAS PC
Sep-04	TEMP. STILL BELOW AVERAGE EVEN WITH A VERY CLEAR AM & MOSTLY CLEAR PM-VERY HOT ON WEST COAST
Sep-05	CLEAR ALL DAY AND WARMER BUT ABOUT NORMAL FOR FIRST OF SEPT.
Sep-06	RAINING AND FOR THE MOST PART A GLOOMY DAY BUT COOL FOR SEPT.
Sep-07	A BEAUTIFUL CLEAR COOL DAY WITH LOW REL. HUMIDITY
Sep-08	COOLEST MORNING SINCE MAY 16 WHEN MIN. WAS 47°F -GREAT WEATHER FOR EARLY SEPT.-TODAY I STARTED PUTTING A NEW MOISTURE SENSOR
Sep-09	VERY CLEAR AM BUT PM WAS 20-25% CLOUDY WITH FAIR WEATHER CUMULUS
Sep-10	CUMULUS CLOUDS CAME IN AROUND NOON THEN PC TO 1400 THEN MOSTLY CLOUDY AFTER 1500
Sep-11	COMPLETED WORK ON SOIL MOISTURE SENSOR AND SOIL TEMP. SENSORS-CLOUDY IN PM & AM HAD A LITTLE SUN THROUGH CIRROSTRATUS & ALTOSTRATUS LATER
Sep-12	WARMER AND MORE HUMID AND CLOUDY MOST OF DAY BUT STILL COOL FOR MID- SEPT.
Sep-13	FOG WITH FAST CLEARING AT GROUND LEVEL BUT AROUND 1100 BEFORE CLOUDS CLEARED TO SEE SUN
Sep-14	PM WAS ABOUT 75-85% CLOUDY
Sep-15	CLOUDY EARLY THEN CLEARING AT 0900 AND MOSTLY CLEAR TO 1130-AM EST. 60% CLOUDY-PM EST. 80% CLOUDY
Sep-16	CLEAREST PD. OF DAY FROM 1030-1145-MANY ALTOCUMULUS IN AM AND IN PM MAINLY CUMULUS
Sep-17	FOG EARLY THEN CLEARING DIDN'T START UNTIL 1045 BUT STILL MOSTLY CLOUDY-PM EST. 50-60% CLOUDY
Sep-18	PUTTING NEW ROOF ON HOUSE AND HAD TO REMOVE ANEMOMETER-EST. MAX. WIND AT 18MPH FOR DAY THAT OCCURRED IN AM-VERY CLEAR UNTIL 0915 THE MOSTLY CLOUDY UNTIL 1645 & THEN CLEAR
Sep-19	CLOUDY UNTIL 1030 THEN SLOW CLEARING TO PC THAT BECAME CLEAR BY 1645-AM EST. 65-75% CLOUDY AND PM EST. 50-60% CLOUDY
Sep-20	CLEAR ALL DAY-HOTTEST DAY SINCE AUG. 22, 2017 WHEN IT WAS 93.6°F
Sep-21	CLOUDS CAME IN AROUND 1445 & MOSTLY CLOUDY BY 1600-AM EST. 10% CLOUDY- PM EST. 40-50% CLOUDY
Sep-22	AM WAS MOSTLY CLOUDY WITH CIRROSTRATUS WITH A GOOD AMOUNT OF SOLAR RADIATION PASSING THROUGH CLOUDS BUT PM WAS CLOUDY EST. 95% CLOUDY
Sep-23	SUPER DEW GAVE 0.01 INCHES IN TRIPPING BUCKET GAUGE-NO CLOUDS SEEN TODAY & WARM FOR END OF SEPT.
Sep-24	ONLY VERY THIN SCATTERED CIRRUS DURING DAY ONLY REDUCING SOLAR RADIATION A VERY SMALL AMT.
Sep-25	AM HAD SCATTERED CIRRUS BUT CUT SOLAR RADIATION A LITTLE-AFTER 1500 CIRRUS BECAME THICKER & PM WAS EST. 50-60% CLOUDY
Sep-26	CLOUDS AND BREEZE KEPT DEW AWAY-MOSTLY CLOUDY DAY WITH HURRICANE MARIA OFF NC COAST
Sep-27	CUMULUS CLOUDS CAME IN AT 1030 & THEN PC TO 1230-AM EST. 25-30% CLOUDY BUT PM HAD MANY MORE CLOUDS AND EST. 55-65% CLOUDY
Sep-28	HURRICANE MARIA MOVES EAST AWAY FROM VA COAST AND A COLD FRONT PASSES GLEN ALLEN STATION - COLD FRONT PASSED AROUND 1000 - DEW PT. STARTED DROPPING AROUND 1500 BUT NO
Sep-29	AM VERY CLEAR AND THE PM HAD ONLY A FEW CUMULUS AND SOME SCATTERED CIRRUS
Sep-30	THE SECOND COLD FRONT PASSED BETWEEN 0800 AND 0900 AND AGAIN NO CLOUDS WERE SEEN WITH THIS COLD FRONT.

DATE

EXTENSION OF LENGTHY DAILY REMARKS

Sep-28 CLOUDS WERE SEEN TODAY

DAILY RECORDS FOR THE MONTH
The Glen Allen Station had 29 Records or Record Ties in September 2017

1	The maximum temperature on the 1st was 73°F, a new 9-year cold daily maximum temperature record for the date - the old record was 75°F in 2009. The minimum temperature on the 1st was 52.4°F, a new 9-year LOW daily minimum temperature record for the date - the old record was 55°F in 2009. The daily precipitation on the 1st was 1.73 inches, a new 9 year HIGH daily precipitation record for the date - the old record was 0.04 inches in 2013.
2	The maximum temperature on the 2nd was 64.9°F, a new 9-year cold daily maximum temperature record for the date - the old record was 76°F in 2009. The daily temperature range on the 2nd was 9.7°F, a new 9-year LOW daily temperature range record for the date - the old record was 11.8°F in 2016.
3	
4	The minimum temperature on the 4th was 55.8°F, a new 9-year LOW daily minimum temperature record for the date - the old record was 57°F in 2009. The daily temperature range on the 4th was 28°F, a new 9-year HIGH daily temperature range record for the date - the old record was 27°F in 2009.
5	
6	The maximum temperature on the 6th was 71.3°F, a new 9-year cold daily maximum temperature record for the date - the old record was 76°F in 2011.
7	The maximum temperature on the 7th was 75.4°F, a new 9-year cold daily maximum temperature record for the date - the old record was 77°F in 2011. The minimum temperature on the 7th was 56.4°F, a new 9-year LOW daily minimum temperature record for the date - the old record was 57°F in 2013.
8	The minimum temperature on the 8th was 49°F, a new 9-year LOW daily minimum temperature record for the date - the old record was 63°F in 2013. The daily temperature range on the 8th was 27.9°F, a new 9-year HIGH daily temperature range record for the date - the old record was 26°F in 2013.
9	The minimum temperature on the 9th was 55.2°F, a new 9-year LOW daily minimum temperature record for the date - the old record was 59°F in 2012 and 2009. The maximum temperature on the 9th was 73.3°F, a new 9-year cold daily maximum temperature record for the date - the old record was 78°F in 2014.
10	The minimum temperature on the 10th was 48°F, a new 9-year LOW daily minimum temperature record for the date - the old record was 53°F in 2010. The maximum temperature on the 10th was 70.5°F, a new 9-year cold daily maximum temperature record for the date - the old record was 72°F in 2009.
11	The maximum temperature on the 11th was 71.2°F, a new 9-year cold daily maximum temperature record for the date - the old record was 75°F in 2008. The daily precipitation on the 11th was 0.01 inches, a new 9-year HIGH daily precipitation record for the date - the old record was 0 inches.
12	
13	The daily precipitation on the 13th was 0.09 inches, a new 9-year HIGH daily precipitation record for the date - the old record was 0.06 inches in 2014.
14	The daily precipitation on the 14th was 0.01 inches, a new 9-year HIGH daily precipitation record for the date - the old record was 0 inches. The daily temperature range on the 14th was 14.3°F, a new 9-year LOW daily temperature range record for the date - the old record was 17°F in 2008.
15	
16	
17	
18	
19	
20	The maximum temperature on the 20th was 89.3°F, a new 9-year daily HIGH maximum temperature record for the date - the old record was 83°F in 2010.
21	The maximum temperature on the 21st was 88.6°F, a new 9-year daily HIGH maximum temperature record for the date - the old record was 88°F in 2014.
22	
23	
24	The daily temperature range on the 24th was 30.2°F, a new 9-year HIGH daily temperature range record for the date - the old record was 28°F in 2013.
25	
26	
27	The minimum temperature on the 27th was 70.8°F, a new 9-year warm daily minimum temperature record for the date - the old record was 68°F in 2008. The maximum temperature on the 27th was 88°F, a new 9-year daily HIGH maximum temperature record for the date - the old record was 86°F in 2012.
28	The maximum temperature on the 28th was 87.5°F, a new 9-year daily HIGH maximum temperature record for the date - the old record was 85°F in 2012.
29	The daily temperature range on the 29th was 22.2°F, a new 9-year HIGH daily temperature range record for the date - the old record was 22°F in 2013.
30	The maximum temperature on the 30th was 71.1°F, a new 9-year cold daily maximum temperature record for the date - the old record was 71.4°F in 2016.