

PAGE #1		May 2016 West Henrico Co. - Glen Allen Weather Center 37.65537° N. 77.56929° W. - Koontz																	
		TEMPERATURE °F				TEMPERATURE °F				SKY		PRECIPITATION			FROZ. PRECIP.		1st PERIOD		
May 2016	Week Day	MAX.	Time	MIN.	Time	RANGE	MEAN	CHANGE	SOIL	AM	PM	Liquid	1 Hr.	5 Min.	NEW	GROUND	START	END	
May-01	Sun	64.3	18:15	52.6	5:48	11.7	58.5	0.6	61	2	2	0.94	0.30	0.08			0114	0128	
May-02	Mon	85.8	15:34	62.2	5:02	23.6	74.0	15.6	62	2	0	0.69	0.23	0.05			0005	0355	
May-03	Tue	77.7	16:57	58.7	21:54	19.0	68.2	-5.8	66	2	2	0.54	0.21	0.03			0001	0625	
May-04	Wed	70.2	14:22	56.7	23:42	13.5	63.5	-4.8	66	2	2	0.44	0.44	0.16			0055	0205	
May-05	Thu	56.7	0:01	51.5	23:56	5.2	54.1	-9.4	65	2	2	0.15	0.07	0.01			0035	0112	
May-06	Fri	60.2	12:52	51.4	0:05	8.8	55.8	1.7	62	2	2	1.01	0.15	0.02			0001	1240	
May-07	Sat	69.7	17:13	46.5	4:41	23.2	58.1	2.3	61	2	1	T	T	T			1315	1350	
May-08	Sun	78.4	11:21	53.6	4:29	24.8	66.0	7.9	63	1	2								
May-09	Mon	76.1	15:47	53.2	5:09	22.9	64.7	-1.3	65	2	2								
May-10	Tue	67.0	17:36	56.6	6:30	10.4	61.8	-2.9	65	2	2	0.03	0.01	0.01			0355	1010	
May-11	Wed	65.7	15:14	57.9	6:38	7.8	61.8	0.0	65	2	2	0.01	0.01	T			0245	0315	
May-12	Thu	70.0	16:40	59.3	5:31	10.7	64.7	2.9	64	2	2	0.01	0.01	T			0058	0120	
May-13	Fri	78.6	17:40	60.8	23:57	17.8	69.7	5.0	65	2	2	0.05	0.05	0.01			1210	1425	
May-14	Sat	80.3	15:02	53.9	6:26	26.4	67.1	-2.6	65	0	1	0.11	0.07	0.01			1548	1800	
May-15	Sun	65.1	15:23	43.4	5:31	21.7	54.3	-12.9	64	1	1								
May-16	Mon	69.0	16:29	40.6	4:33	28.4	54.8	0.5	63	2	0								
May-17	Tue	59.3	7:41	54.2	23:41	5.1	56.8	2.0	65	2	2	1.06	0.52	0.05			0743	2150	
May-18	Wed	64.4	16:12	53.2	2:16	11.2	58.8	2.1	63	2	2								
May-19	Thu	70.6	17:47	54.2	23:57	16.4	62.4	3.6	64	2	2								
May-20	Fri	75.9	14:55	48.5	6:02	27.4	62.2	-0.2	63	0	2								
May-21	Sat	64.1	0:01	56.1	23:54	8.0	60.1	-2.1	65	2	2	1.23	0.61	0.17			0025	0035	
May-22	Sun	62.8	13:18	53.5	21:29	9.3	58.2	-2.0	64	2	2	0.20	0.05	0.01			0755	0840	
May-23	Mon	70.3	17:11	53.7	0:01	16.6	62.0	3.9	63	2	2	0.60	0.20	0.03			0020	1128	
May-24	Tue	83.3	16:01	53.2	3:40	30.1	68.3	6.3	63	0	1	T	T	T			0525	0530	
May-25	Wed	86.8	17:01	56.0	6:09	30.8	71.4	3.2	66	0	1								
May-26	Thu	90.0	15:32	60.9	4:01	29.1	75.5	4.1	68	0	1								
May-27	Fri	89.1	15:14	70.0	6:26	19.1	79.6	4.1	70	0	0								
May-28	Sat	87.9	13:57	65.7	6:07	22.2	76.8	-2.7	71	0	0								
May-29	Sun	83.9	12:04	65.2	6:31	18.7	74.6	-2.3	71	1	2	1.47	0.89	0.17			1410	2010	
May-30	Mon	78.4	14:57	66.2	6:20	12.2	72.3	-2.3	71	2	2	0.01	0.01	T			1039	1044	
May-31	Tue	85.6	17:10	66.0	3:19	19.6	75.8	3.5	71	2	1								
TOTAL		2287		1736		551.7	2011.4	18.0	2020	45	47	8.55	3.83	0.81	0.00	0.00	Col.26-27		
NUMBER		31	31	31	31	31	31	31	31	31	31	17	17	14	0	0	DAILY AVE RH		
AVERAGE		73.78	14:22	55.98	9:36	17.80	64.88		65.16	1.45	1.52	Ave. Tot.	Ave.Max	Ave.Max			75.8	Percent	
NORMALS		79.26		58.27		20.99	68.76		66.80	1.10	1.19	3.98	1.45	0.25	0.0	0.0	70.3	Percent	
DEPARTURES		-5.48		-2.28		-3.19	-3.9		-1.64	0.35	0.32	4.57	-0.56	-0.08			5.5	Percent	
Max ≥70°F		90		70		30.8	79.6	15.6	71.0	Whole Day		1.47	0.89	0.17			Precip	24 Hr.	
20 DAYS		1	May-26	May-27		May-25	May-27	May-02	May-28	AVERAGE		1.48	May-29	May-29	May-21		Amount	1.48	
Departure		2							May-29	Normal		1.12		May-29	May-29		Date	May 29	
-5.1		3							May-30	Depart		0.36					Date	May 30	
MINIMUM		57		41		5.1	54.1	-12.9	61.0	SKY	AM	PM	≥= 0.10 INCHES		≥= 1.00 INCHES		≥= 2.00 INCHES		
MIN >60°F		1	May-05	May-16		May-17	May-05	May-15	May-01	CLEAR	7	4	12 DAYS		4 DAYS		0 DAYS		
8 DAYS		2							May-07	PT. CLO.	3	7	HOTTEST		79.6	Highest	Lowest	COOLEST	
Departure		3								CLOUDY	21	20	DAY		5-27	Mean	Mean	DAY	
-7.0		≤32 °F	0	<=32 °F	0	MAX.	≥=95	≥=90	≥=85	≥=80	≥=75	≥=70	≥=65	≥=60	≥=55	≥=50	≥=45	≥=40	≥=35
≥90 °F		1		≥=70 °F	1	DAYS	0	1	6	9	15	20	24	29	31	31	31	31	31

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May 2016 West Henrico Co. - Glen Allen Weather Center 37.65537° N. 77.56929° W. - Koontz																			
20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	
May 2016	2nd PERIOD		WIND			REL. HUMIDITY		BAROMETRIC PRESSURE											
	START	END	RUN	MAX.	TIME	MAX.	MIN.	MAX.	MIN.	AVE.	CHANGE	GLAZE	SLEET	SNOW	FOG	DEW	FROST		
May-01	0310	0630	15.1	13	0:42	100	85	30.18	29.97	30.08	-0.08						P		
May-02	2045	2400	44.6	27	17:17	99	46	30.03	29.83	29.93	-0.15					3	P		
May-03	1755	1840	36.1	28	17:33	100	58	29.90	29.69	29.80	-0.13					1	P		
May-04	0540	0545	36.8	19	15:13	98	66	29.78	29.60	29.69	-0.11					1	P		
May-05	0455	0500	74.7	17	18:17	100	83	29.69	29.60	29.65	-0.04						P		
May-06	1355	1840	50.1	17	17:26	98	79	29.79	29.65	29.72	0.07						P		
May-07	1845	1900	17.9	10	9:18	99	52	29.83	29.73	29.78	0.06						3		
May-08			48.3	20	11:49	96	33	30.03	29.68	29.86	0.07						4		
May-09			26.8	13	8:57	84	38	30.11	30.02	30.07	0.21						N		
May-10	2145	2245	33.6	11	5:49	94	78	30.25	30.10	30.18	0.11						P		
May-11	0645	0705	21.7	10	11:18	98	88	30.19	30.12	30.16	-0.02				2		P		
May-12	0235	0240	12.0	7	19:33	100	78	30.16	30.00	30.08	-0.08						P		
May-13			45.0	16	9:36	97	56	30.00	29.83	29.92	-0.16						2		
May-14			57.6	25	14:48	99	34	29.90	29.70	29.80	-0.12						5		
May-15			47.0	19	13:02	82	30	30.13	29.86	30.00	0.20						4		
May-16			23.2	15	15:42	90	29	30.28	30.13	30.21	0.21						3		
May-17			29.1	11	18:36	96	62	30.24	30.15	30.20	-0.01						1		
May-18			58.2	13	9:24	97	71	30.16	30.05	30.11	-0.09						P		
May-19			45.1	12	12:39	94	52	30.21	30.08	30.15	0.04						2		
May-20			34.8	15	16:38	99	37	30.28	30.14	30.21	0.07						5		
May-21	0150	1500	77.0	16	6:25	100	57	30.14	29.87	30.01	-0.20						P		
May-22	0940	1042	74.4	17	15:19	97	77	29.91	29.83	29.87	-0.14						P		
May-23	1325	1328	54.8	18	4:58	100	60	30.00	29.87	29.94	0.07						P		
May-24			16.0	16	17:52	99	35	30.10	29.97	30.04	0.10						3		
May-25			27.5	19	15:10	96	33	30.20	30.10	30.15	0.11						4		
May-26			55.0	18	16:37	90	34	30.15	30.02	30.09	-0.06						3		
May-27			88.6	20	15:57	85	48	30.13	30.04	30.09	0.00						N		
May-28			48.5	16	0:25	83	40	30.19	30.11	30.15	0.06						1		
May-29	2135	2210	26.5	14	19:33	97	53	30.16	30.04	30.10	-0.05						3		
May-30	1130	1415	8.8	11	18:18	98	79	30.05	29.95	30.00	-0.10				2		P		
May-31			20.1	11	14:26	99	66	30.01	29.93	29.97	-0.03				3		5		
TOTAL	Column 23		1254.9	494		2964	1737	932.18	927.66	929.92	TOTAL	0	0	0	3	3	15	0	
NUMBER	Mar. Wind Run		31	31	31	31	31	31	31	31	NORMAL	0.0	0.0	0.0	4.4	6.1	17.7	0.1	
AVERAGE	Total	1254.9	40.5	15.9	13:10	95.6	56.0	30.07	29.92	30.00	DEPART.	0.0	0.0	0.0	-1.4	-3.1	-2.7	-0.1	
NORMALS	Miles	1581.5	51.0	18.5		93.6	47.2	30.09	29.95	30.03									
DEPARTURES	Miles	-326.6	-10.5	-2.6		2.1	8.9	-0.02	-0.02	-0.04	DAYS OF ▶	GLAZE	SLEET	SNOW	FOG		DEW	FROST	
MAXIMUM DATES		Dates	88.6	28	South	100	88	30.28	30.15	30.21	0.21	5. Very Heavy 4. Heavy-Unusual 3. Moderate - Ave. 2. Light - < Ave.	N- None No Dew Obs.						
		1	May-27	May-03	17:33	May-01	May-11	May-16	May-17	May-20	May-09								
		2				May-03		May-20			May-16								
		3				May-05													
		4				May-12													
MINIMUM DATES		Dates	8.8	7		82	29	29.69	29.60	29.65	-0.20	1. Very Light - Slight - Trace							
		1	May-30	May-12		May-15	May-16	May-05	May-04	May-05	May-21	M - Event with intensity missing							
		2										P- Precip. prevent obs.							
MIN. DAYS		<=80	<=75	<=70	<=65	<=60	<=55	<=50	<=45	<=40	<=35	<=32	<=30	<=25					
		31	31	31	27	23	16	4	2	0	0	0	0	0					

PAGE #3	West Henrico Co. - Glen Allen Weather Center 37.65537° N. 77.56929° W. - Koontz
39 May 2016	40 REMARKS FOR THE MONTH May - 2016
May-01	3RD PD. OF PRECIP. 0705-1340
May-02	THUNDERSTORM WITH THUNDER FORM 0030-0115-CLOUDY UNTIL 1145 THEN FAIR WEATHER CUMULUS IN PM ABOUT 20-30% CLOUDY
May-03	SPRINKLES BET. 0630-0950 THEN THUNDERSTORM FROM 1755-1840- 3RD PD. OF PRECIP. FROM 2325-2355-ANOTHER CLOUDY DAY BUT LESS HUMID
May-04	2 THUNDERS HEARD BUT DISTANT AROUND 1500 THEN A STRIKE NEAR GLEN ALLEN STATION AROUND 1532-1535-3RD PD. OF PRECIP. 0920-0940 FOLLOWED BY 2 SPRINKLES-TS BET. 1500-1605
May-05	A VERY DAMP, CLOUDY, DRIZZLY DAY AND COOL FOR MAY-3RD PD. OF PRECIP. 1015-1235, 4TH PD. 1925-2400
May-06	AN ALL DAY RAIN AND VERY WET PERIOD-THIS IS 11TH DAY WITH AT LEAST A TRACE OF RAIN
May-07	RAINFALL YESTERDAY MADE IT HARD TO DETERMINE DEW AMT.-CLEARED OFF AT 1400 AND WAS CLEAR TO 1810 THEN BECAME CLOUDY AGAIN
May-08	HAZY SKY-SOME CLEARING IN AM BUT A CLOUDY PM-PLANTED TOMATOES IN SHENANDOAH VALLEY
May-09	RAIN IN NW VA IN AM BUT NO RAIN IN RICHMOND
May-10	THUNDER TWICE AROUND 2200-CLOUDY, COOL DAMP DAY WITH EAST AND NE BREEZE-PLANTED TOMATOES THE LATEST ON MY RECORDS AS IT HAS BEEN TOO WET
May-11	VERY LIGHT SPRINKLE AT 0855 AND HEAVIER SPRINKLES FROM 1135-1335-COOL, DAMP CLOUDY DAY- MIN. REL. HUMIDITY WAS A HIGH 88%
May-12	NO RAIN DURING DAYLIGHT HOURS BUT STILL CLOUDY DAMP AND COOL FOR MAY
May-13	ONLY DEW ON GRASS-CLEARING STARTED AT 1530 AND CLEAR BY 1800-PM EST. 70-80% CLOUDY
May-14	SUNNIEST AM OF MONTH-ONLY CIRRUS MAINLY TO NORTH-COLD FRONT PASSED AROUND 1600
May-15	CLOUDS STARTED IN AT 0915 AND MANY CLOUDY BY 1030 THEN PM WAS PC UNTIL 1815-VERY CHILLY DAY FOR MID-MAY
May-16	CLEARING STARTED AT 0930 AND CLEAR BY 1115-VERY CLEAR FROM NOON TO 1730-AM 70-80% CLOUDY
May-17	CLOUDY ALL DAY BUT NO RAIN AND COOL FOR MAY
May-18	A LITTLE WARMER TODAY BUT STILL BELOW AVERAGE TEMP.
May-19	CLEARING STARTED AROUND NOON AND PM WAS ABOUT 65-70% CLOUDY-DEW ONLY ON GRASS
May-20	GUTTATION ADDED TO DEW AS GROUND WAS WET & THE GRASS WAS MUCH WETTER THAN OTHER OBJECTS. CLOUDS CAME IN AROUND 1115 AS CUMULUS BUT AT NOON CIRRUS & COVERED MOST OF SKY IN PM
May-21	RAINY CLOUDY AND COOL DAY FOR MAY WHICH IS ALREADY WETTEST MAY ON RECORD AT THIS STATION
May-22	3RD PD. OF SPRINKLES 1340-1508-ANOTHER CLOUDY AND COOL DAY FOR LAST 1/3 OF MAY-4TH PD. OF PRECIP. 1925-2400
May-23	3RD PD. OF SPRINKLES 1445-1530, 4TH PD. OF SPRINKLES 2010-2150
May-24	HARD TO TELL HOW HEAVY DEW WAS BECAUSE OF RAIN-PRECIP. TRACE WAS ONLY 2 ON RAIN SENSOR-CUMULUS IN PM EST. 35-45% CLOUDY
May-25	CLEAR IN AM BUT THIN PM CIRRUS AND WARMEST DAY OF MAY SO FAR
May-26	VERY THIN CIRRUS IN AM BUT THICKER AND MORE COVERAGE IN PM
May-27	BRISK SW BREEZE KEPT DEW FROM FORMING-PM CUMULUS SCATTERED FROM 1340-1800 BUT ONLY ABOUT 20% COVERAGE
May-28	VERY CLEAR AM THEN CUMULUS STARTED IN AT 1240 BUT WAS SCATTERED THEN CLEAR AGAIN AFTER 1500-NICE SPRING DAY
May-29	MOST RAIN TODAY SINCE 12/23/2015 WHEN 1.67 INS. FELL-NO THUNDER WITH RAIN
May-30	SOME FOG TODAY BET. 0815-0845-IT WAS DISCOVERED THAN GLEN ALLEN HAD ONE OF HIGHEST RAIN TOTALS IN VA YESTERDAY
May-31	MODERATE AM FOG THAT CLEARED AROUND 0830
DATE	EXTENSION OF LENGTHY DAILY REMARKS
May-04	<p>SOME CLEARING STARTED AT 1430 BUT RAIN BY 1500-PM EST. ABOUT 75-80% CLOUDY</p> <p>This was the wettest May on record at Glen Allen. (Records since August 2008) The total precipitation for May was 8.55 inches the wettest month since November 2009 when 10.74 inches was recorded. Richmond had a total of 9.37 inches of precipitation for May making the wettest May on record in 143 years.</p> <p>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/glenallencclimate/loq/2016/2016_Obs_Rules.pdf</p>

DAILY RECORDS FOR THE MONTH

41

May

2016

The Glen Allen Station had 31 Records or Record Ties in May 2016

Days	The Glen Allen Station Had Records or Record Ties in MAY 2016
1	The daily precipitation on the 1st was 0.94 inches a new 6 year HIGH daily precipitation record for the date - the old record was 0.27 inches in 2015. The daily temperature range on the 1st was 10.4°F, a new 6 year LOW daily temperature range record for the date - the old record was 12.1°F in 2015.
2	The daily precipitation on the 2nd was 0.69 inches a new 6 year HIGH daily precipitation record for the date - the old record was 0.34 inches in 2009.
3	The daily precipitation on the 3rd was 0.54 inches a new 6 year HIGH daily precipitation record for the date - the old record was 0.45 inches in 2009.
4	The daily temperature range on the 4th was 13.5°F, a new 6 year LOW daily temperature range record for the date - the old record was 19°F in 2010.
5	The maximum temperature on the 5th was 56.7°F, a new 6 year cool daily maximum temperature record for the date - the old record was 58°F in 2009.
6	The daily precipitation on the 6th was 1.01 inches a new 6 year HIGH daily precipitation record for the date - the old record was 0.42 inches in 2009. The daily temperature range on the 6th was 8.8°F, a new 6 year LOW daily temperature range record for the date - the old record was 13°F in 2012 and 2009. The maximum temperature on the 6th was 60.2°F, a new 6 year cool daily maximum temperature record for the date - the old record was 68°F in 2013.
7	The maximum temperature on the 7th was 69.7°F, a new 6 year cool daily maximum temperature record for the date - the old record was 74°F in 2013 and 2012.
8	The minimum temperature on the 8th was 53.6°F a new 6 year LOW daily minimum temperature record for the date - the old record was 55°F in 2013 and 2011.
9	
10	The maximum temperature on the 10th was 67°F, and EQUALED the 6 year LOW daily maximum temperature record for the date - the old record was set in °F in 2010. The daily temperature range on the 10th was 10.4°F, a new 6 year LOW daily temperature range record for the date - the old record was 15°F in 2014.
11	The daily temperature range on the 11th was 7.8°F, a new 6 year LOW daily temperature range record for the date - the old record was 10°F in 2009.
12	The maximum temperature on the 12th was 70°F, a new 6 year cool daily maximum temperature record for the date - the old record was 71°F in 2013. The daily temperature range on the 12th was 10.7°F, a new 6 year LOW daily temperature range record for the date - the old record was 19°F in 2011.
13	
14	
15	The minimum temperature on the 15th was 43.4°F a new 6 year LOW daily minimum temperature record for the date - the old record was 49.9°F in 2015. The maximum temperature on the 15th was 65.1°F, a new 6 year cool daily maximum temperature record for the date - the old record was 77°F in 2011.
16	The minimum temperature on the 16th was 40.6°F a new 6 year LOW daily minimum temperature record for the date - the old record was 56°F in 2014. The maximum temperature on the 16th was 69°F, a new 6 year cool daily maximum temperature record for the date - the old record was 75°F in 2014. The daily temperature range on the 16th was 28.4°F a new 6 year HIGH daily temperature range record for the date - the old record was 25.5°F in 2015.
17	The daily temperature range on the 17th was 2.4°F, a new 6 year LOW daily temperature range record for the date - the old record was 9°F in 2010. The maximum temperature on the 17th was 59.3°F, a new 6 year cool daily maximum temperature record for the date - the old record was 62°F in 2010.
18	
19	
20	The maximum temperature on the 20th was 75.9°F, a new 6 year cool daily maximum temperature record for the date - the old record was 76°F in 2011.
21	The daily precipitation on the 21st was 1.23 inches a new 6 year HIGH daily precipitation record for the date - the old record was 0.61 inches in 2015.
22	The maximum temperature on the 22nd was 62.8°F, a new 6 year cool daily maximum temperature record for the date - the old record was 74.7°F in 2015. The daily temperature range on the 22nd was 9.3°F, a new 6 year LOW daily temperature range record for the date - the old record was 14°F in 2010.
23	The daily precipitation on the 23rd was 0.60 inches a new 6 year HIGH daily precipitation record for the date - the old record was 0.52 inches in 2013. The maximum temperature on the 23rd was 70.3°F, a new 6 year cool daily maximum temperature record for the date - the old record was 75.5°F in 2015.
24	The daily temperature range on the 24th was 30.1°F a new 6 year HIGH daily temperature range record for the date - the old record was 28.8°F in 2015.
25	
26	
27	
28	
29	The daily precipitation on the 29th was 1.47 inches a new 6 year HIGH daily precipitation record for the date - the old record was 0.74 inches in 2015.
30	
31	