

#		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
May 2017	Week Day	MAX.	Time	MIN.	Time	RANGE	MEAN	CHANGE	SOIL	SKY		PRECIPITATION			FROZ. PRECIP.		1st PERIOD																				
										AM	PM	Liquid	1 Hr.	5 Min.	NEW	GROUND	START	END																			
May-01	Mon	83.5	15:29	70.2	23:56	13.3	76.9	-2.8	71	2	2	0.11	0.08	0.02			2033	2100																			
May-02	Tue	77.5	17:09	58.1	23:59	19.4	67.8	-9.1	70	0	0	0.02	0.02	0.01			0001	0045																			
May-03	Wed	74.5	14:17	49.7	6:39	24.8	62.1	-5.7	68	0	0																										
May-04	Thu	70.6	15:41	46.4	5:42	24.2	58.5	-3.6	60	1	2	0.21	0.13	0.02			1748	2020																			
May-05	Fri	75.3	13:35	60.1	0:01	15.2	67.7	9.2	66	2	2	1.39	0.80	0.25			0001	0045																			
May-06	Sat	65.9	11:46	47.3	22:44	18.6	56.6	-11.1	66	2	2	0.03	0.02	0.02			0800	0935																			
May-07	Sun	65.0	13:57	43.5	6:08	21.5	54.3	-2.4	63	2	2	0.02	0.02	0.02																							
May-08	Mon	66.5	16:31	40.5	6:09	26.0	53.5	-0.8	63	0	0																										
May-09	Tue	71.1	16:23	38.0	6:27	33.1	54.6	1.1	62	0	1																										
May-10	Wed	77.5	15:48	46.6	6:17	30.9	62.1	7.5	63	2	1																										
May-11	Thu	65.5	0:02	52.2	23:47	13.3	58.9	-3.2	66	2	2	0.22	0.11	0.02			0007	0130																			
May-12	Fri	53.5	15:40	50.1	21:29	3.4	51.8	-7.1	64	2	2	0.98	0.16	0.03			0001	0025																			
May-13	Sat	65.1	16:46	48.5	23:59	16.6	56.8	5.0	61	2	2	0.34	0.17	0.02			0001	0825																			
May-14	Sun	82.3	16:37	44.7	5:27	37.6	63.5	6.7	60	0	0																										
May-15	Mon	80.1	16:34	55.3	6:52	24.8	67.7	4.2	64	0	0																										
May-16	Tue	82.6	17:02	47.0	6:15	35.6	64.8	-2.9	65	0	0																										
May-17	Wed	93.7	15:09	62.2	6:13	31.5	78.0	13.2	66	0	0																										
May-18	Thu	88.0	16:57	70.0	7:04	18.0	79.0	1.1	69	1	0																										
May-19	Fri	91.3	14:06	72.1	6:22	19.2	81.7	2.7	71	0	0																										
May-20	Sat	81.1	10:49	62.3	23:47	18.8	71.7	-10.0	72	1	0	T	T	T			0545	0550																			
May-21	Sun	71.3	13:04	56.4	5:13	14.9	63.9	-7.8	70	2	2																										
May-22	Mon	73.0	17:59	60.2	6:24	12.8	66.6	2.8	69	2	2	0.14	0.09	0.02			0030	0315																			
May-23	Tue	66.9	13:38	59.3	23:17	7.6	63.1	-5.0	69	2	2	0.52	0.11	0.02			0500	0505																			
May-24	Wed	66.1	15:09	57.1	4:06	9.0	61.6	-1.5	67	2	2	0.46	0.23	0.06			0001	0605																			
May-25	Thu	77.1	15:06	59.0	0:02	18.1	68.1	6.5	66	2	1	0.57	0.08	0.03			0001	0630																			
May-26	Fri	80.7	16:33	58.0	6:09	22.7	69.4	1.3	67	0	0																										
May-27	Sat	86.8	16:08	56.9	5:27	29.9	71.9	2.5	68	0	1	0.49	0.33	0.10			1736	1825																			
May-28	Sun	76.5	16:01	63.2	5:46	13.3	69.9	-2.0	70	2	2	0.33	0.18	0.06			1105	1255																			
May-29	Mon	85.9	15:31	66.4	6:25	19.5	76.2	6.3	70	1	1																										
May-30	Tue	83.8	16:48	67.7	6:00	16.1	75.8	-0.4	73	2	2	T	T	T			1115	1155																			
May-31	Wed	83.8	17:12	64.6	23:54	19.2	74.2	-1.6	72	2	1																										
TOTAL		2366		1734		628.9	2048.1	-5.5	2071	36	34	5.83	2.53	0.70	0.00	0.00	Col.26-27																				
NUMBER		31	31	31	31	31	31	31	31	31	31	15	15	15	0	0	DAILY AVE RH																				
AVERAGE		76.21	14:57	55.92	10:42	20.29	66.07		66.81	1.16	1.10	Ave. Tot.	Ave. Max	Ave. Max			74.6	Percent																			
NORMALS		78.57		57.98		20.59	68.28		66.59	1.15	1.19	4.56	0.84	0.24	0.0	0.0	71.0	Percent																			
DEPARTURES		-2.36		-2.06		-0.30	-2.2		0.21	0.02	-0.09	1.28	-0.04	0.01			3.6	Percent																			
Max. Temps. >= 70°F	94			72		37.6	81.7	13.2	73.0	Whole Day		1.39	0.80	0.25			Precip	24 Hr.																			
2017	23									AVERAGE		1.13					Amount	1.60																			
Ave.	26.7									Normal		1.17					Date	May 04																			
Departure	-3.7									Depart		-0.04					Date	May 05																			
Min. Temps. <= 32°F	54			38		3.4	51.8	-11.1	60.0	SKY			>= 0.10	INCHES	>= 1.00	INCHES	>= 2.00	INCHES																			
2017	0									AM	PM		12	DAYS	1	DAYS	0	DAYS																			
Ave.	1.6									CLEAR																											
Departure	-1.6									PT. CLO.			Hottest	81.7	Highest	Coolest	51.8	Lowest																			
										CLOUDY			DAY	5-19	Mean	DAY	5-12	Mean																			
Days Max. <=32 °F	0			MAX.	>= 95	>= 90	>= 85	>= 80	>= 75	>= 70	>= 65	>= 60	>= 55	>= 50	>= 45	>= 40	>= 35	>= 30																			
Days Max. >=90°F	2			DAYS	0	2	5	13	20	23	30	30	30	31	31	31	31	31																			

20		21		22		23		24		25		26		27		28		29		30		31		32		33		34		35		36		37		38		
May 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								MAX.	MIN.	AVE.	CHANGE																
May-01			182.3	34	15:33	87	59	30.02	29.69	29.86	-0.21																											
May-02			132.1	26	15:28	95	32	29.87	29.65	29.76	-0.10																											
May-03			60.8	21	12:10	85	35	30.18	29.87	30.03	0.27																											
May-04	2115	2240	64.9	17	10:11	95	56	30.19	29.85	30.02	0.00																											
May-05	0235	0900	103.3	22	15:33	99	76	29.85	29.36	29.61	-0.42																											
May-06	1450	1620	95.5	24	3:23	96	60	29.66	29.36	29.51	-0.10																											
May-07			35.5	17	13:56	96	46	29.91	29.66	29.79	0.28																											
May-08			30.8	16	11:13	98	36	30.01	29.91	29.96	0.18																											
May-09			36.5	16	18:19	98	31	30.04	29.91	29.98	0.02																											
May-10			19.1	13	21:57	97	41	30.01	29.92	29.97	-0.01																											
May-11	0850	1135	42.2	16	19:59	97	63	29.99	29.83	29.91	-0.06																											
May-12	0515	2400	39.7	11	0:42	98	95	30.01	29.89	29.95	0.04																											
May-13			69.9	16	18:04	99	69	29.89	29.78	29.84	-0.12																											
May-14			43.6	20	15:42	100	43	29.85	29.70	29.78	-0.06																											
May-15			72.0	18	2:35	76	25	30.02	29.74	29.88	0.11																											
May-16			20.4	12	13:48	97	36	30.12	30.01	30.07	0.19																											
May-17			70.3	19	15:33	90	37	30.07	29.98	30.03	-0.04																											
May-18			129.8	23	16:38	77	55	30.08	29.95	30.02	-0.01																											
May-19			86.0	23	16:59	84	54	30.03	29.92	29.98	-0.04																											
May-20			65.7	17	11:31	93	59	30.27	29.99	30.13	0.15																											
May-21			35.3	13	4:26	83	60	30.31	30.15	30.23	0.10																											
May-22	0415	1415	9.1	6	13:18	96	77	30.15	29.93	30.04	-0.19																											
May-23	0837	1150	50.2	13	4:32	98	88	29.97	29.70	29.84	-0.20																											
May-24	2034	2400	60.9	16	21:56	99	88	29.74	29.61	29.68	-0.16																											
May-25	1530	1630	89.3	26	15:20	99	54	29.60	29.44	29.52	-0.15																											
May-26			62.1	17	7:00	93	47	29.92	29.60	29.76	0.24																											
May-27	1835	2020	24.4	29	15:36	97	53	29.93	29.79	29.86	0.10																											
May-28	2120	2335	13.3	10	8:47	99	82	29.89	29.78	29.84	-0.02																											
May-29			17.1	12	12:29	98	54	30.01	29.78	29.90	0.06																											
May-30			28.1	12	0:15	97	63	30.06	29.95	30.01	0.11																											
May-31			16.2	12	18:27	97	41	30.05	29.96	30.01	0.00																											
TOTAL	Column 23		1806.4	547		2913	1715	929.70	923.66	926.69	TOTAL	0	0	0	3	3	11	1																				
NUMBER	Mar. Wind Run		31	31	31	31	31	31	31	31	NORMAL	0.0	0.0	0.0	3.6	5.8	17.4	0.1																				
AVERAGE	Total	1806.4	58.3	17.6	12:37	94.0	55.3	29.99	29.80	29.89	DEPART.	0.0	0.0	0.0	-0.6	-2.8	-6.4	0.9																				
NORMALS	Miles	1540.7	49.7	18.2		93.8	48.3	30.10	29.96	30.03	Rating ▶	0	0	0	4	8	37	1																				
DEPARTURES	Miles	265.7	8.6	-0.5		0.2	7.1	-0.11	-0.16	-0.14	Intensity	GLAZE	SLEET	SNOW	FOG	K	Dew	Frost																				
MAXIMUM DATES		Dates	182.3 May-01	34 May-01	South 15:33	100 May-14	95 May-12	30.31 May-21	30.15 May-21	30.23 May-21	0.28 May-07	GLAZE	SLEET	SNOW	FOG	K	Dew	Frost	5. Very Heavy 4. Heavy-Unusual 3. Moderate - Ave. 2. Light - >= Ave. 1. Very Light - Slight - Trace M - Event with intensity missing																			
MINIMUM DATES		Dates	9.1 May-22	6 May-22		76 May-15	25 May-15	29.60 May-25	29.36 May-05	29.51 May-06	-0.42 May-05																											
Days Min. <=32 °F		0	MIN. DAYS	<= 80	<= 75	<= 70	<= 65	<= 60	<= 55	<= 50	<= 45								<= 40	<= 35	<= 32	<= 30	<= 25															
Days Min >=70°F		3		31	31	30	26	22	13	11	4								1	0	0	0	0															

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REMARKS FOR THE MONTH

May - 2017

May-01	NO DEW BECAUSE OF AM WIND-4 THUNDERS 2051, 2137, 2317, 2318-AM WAS ABOUT 80-90% CLOUDY AND PM 75-85% CLOUDY-HIGH WIND GUST 34 MPH FROM S
May-02	VERY CLEAR COOL AND PLEASANT SPRING DAY WITH LOW REL. HUMIDITY FOR A CHANGE-MIN. DEW POINT 42.8°F AT 1946
May-03	BEAUTIFUL COOL SPRING DAY WITH LOW REL. HUMIDITY
May-04	CIRRUS CAME IN AT 1115 THEN CUMULUS CAME IN FOLLOWED BY ALTOSTRATUS BY 1330-3RD PD. OF RAIN 2348-2400
May-05	3RD PD. OF SPRINKLES 1130-1135, 4TH PD. OF SPRINKLES 1405-1430 AND A TORNADO HIT IN DINWIDDIE CO. AS A EF1
May-06	NO DEW BECAUSE OF AM WIND- HEAVY STRATOCUMULUS TODAY - MAX. 24 HR. RAIN TOTAL WAS 1.60 INS. FROM 1415-1809 OF THE 5TH-3RD PD. OF PRECIP. 1705-1710 AND 4TH PD. 1820-1910
May-07	EST. OF #3 DEW BUT DIFFICULT BECAUSE OF LATE RAIN YESTERDAY-MOST OF AM WAS CLOUDY-PM WAS PC FROM NOON TO 1300-1500 & EST. TO BE 75-80% CLOUDY-3RD PD. OF SPRINKLES 1803-1830
May-08	BOTH 7TH AND 8TH HAD REC. LOW MAX. TEMPS. & REC. LOW MIN. TEMPS.-AM MOSTLY CLEAR, PM PC WITH CUMULUS
May-09	TRACE OF FROST ON ROOFS BUT DIDN'T HURT ANY PLANTS - CIRRUS CLOUDS CAME IN AROUND 1700 AND THICK BY 1900 BUT VERY CLEAR AM & MOST OF DAY-WITH VERY LARGE TEMP. RANGE
May-10	THIN AM CLOUDS WITH WEAK SUN-CLOUDS CAME IN AROUND 1900 AND WAS CLOUDY TO DARK
May-11	3RD PD. OF DRIZZLE 1510-2155 WITH INTERMITTENT DRIZZLE-4TH PD. OF DRIZZLE 2325-2400
May-12	RAIN CONTINUOUS FROM 0515-MIDNIGHT
May-13	CLOUDY MOST OF DAY -RAIN ENDED EARLY HOWEVER
May-14	SUNNY PLEASANT SPRING DAY-AM DEW WAS EXTREMELY HEAVY-TEMP. RANGE TODAY WAS VERY HIGH AT 37.6°F
May-15	FROM MIDNIGHT TO SUNRISE WIND GUSTS UP TO 18MPH PREVENTED DEW & WIND SHIFTED TO N-A BEAUTIFUL SPRING DAY WITH LOW DEW POINT AT 37.2°F AT 0446
May-16	THESE PAST 2 SPRING DAYS HAVE BOTH SHOWN BEAUTIFUL WEATHER WITH LOW REL. HUMIDITY & CLEAR WITH A FEW CIRRUS IN SKY-TEMPS. NEAR AVERAGE
May-17	VERY HOT DAY FOR MAY AND NEW REC. HIGH FOR DATE AT GLEN ALLEN-RICHMOND'S MAX. WAS 93°F
May-18	TODAY WAS MORE HUMID BUT BREEZY-HIGH DEW POINT WAS 74.2°F AT 1518-SUMMERLIKE WEATHER IN MAY
May-19	VERY CLEAR AM WITH PD. OF CLOUDS IN PM FROM 1430-1500 OTHERWISE A FEW SCATTERED CUMULUS TO 1945 THEN CLOUDY AFTER 1945
May-20	ABOUT A DOZEN DROPS OF RAIN ON SKY MIRROR WITH DEW FORMATION-CUMULUS CLOUDS FROM 1015-1145-PM MOSTLY CLEAR AND COLD FRONT PASSED AT 0900
May-21	NO SUN ALL DAY-CLOUDS MOSTLY ALTOSTRATUS-COLD FRONT NOW IN KY & WARM FRONT IN WV WITH COOL EASTERLY FLOW OVER VA
May-22	ALL MORNING RAIN WITH LIGHT FOG-HEAVY RAIN PASSED TO S AND SE
May-23	3RD PD. OF RAIN FROM 1310-MIDNIGHT-RAIN MOST OF DAY BUT HARDEST BET. 1620-1700 & 2250-2310
May-24	
May-25	3RD PD. OF PRECIP. 1810-1900-2 THUNDERSTORMS ONE WEAK AROUND 1600 AND STRONGER 2ND STORM AT 1830 WITH CLOSER LIGHTNING-AM WAS EST. 75% CLOUDY PM EST. 55-60% CLOUDY
May-26	RAIN ENDING YESTERDAY AT 1900 PREVENTED DEW EST.-SCATTERED CUMULUS AROUND NOON OTHERWISE MOSTLY CLEAR
May-27	TS-WAS A 2-3-2 BUT THE 1.5 INCH HAIL WAS A REC.-HAIL FROM 1737-1740-STARTED AT 1/2 IN. HAIL & INCREASED TO 1 1/4-1 1/2 INS. AT 1738 THEN BACK TO 1/2 IN. AT 1539 & ENDED 1540-SEE REMARKS BELOW
May-28	LIGHT AM FOG & MORNING SHOWER-ANOTHER NIGHT OF RAIN AFTER AN ALMOST TOTALLY CLOUDY DAY
May-29	CLOUDY UNTIL 0900 THEN CLEAR TO 1215 FOLLOWED BY PC AND HUMID CONDITIONS WITH HIGH DEW POINT OF 73.4°F AT 1152
May-30	CLOUDY AM AND DEW WAS FROM GATATION-CLEARING STARTED AT 1545 BUT STILL PC AFTER 1600
May-31	AM WAS CLOUDY - CLEARING STARTED AROUND 1500 AND CLOUDS DECREASED TO DARK - PC SKIES WAS EST. TO BE 50% TO 60% CLOUDY-PM LITTLE HUMID CONDITIONS AROUND NOON

DATE

EXTENSION OF LENGTHY DAILY REMARKS

On the evening of May 27, 2017, a thunderstorm approached the Springfield Park area from the west southwest coming roughly down Route 64. At 5:36 PM Glen Allen had a wind gust to 29 mph that was followed by small hail that was approximately 0.5 inches in diameter and lasted for about one minute. At 5:38 PM large hail began to fall that was approximately 1.25 to 1.5 inches in diameter. Note the time on the radar capture image is 5:38 PM and you can see the area of hail at its maximum diameter here was bounded by Nuckols Road on the north, Springfield Road on the east, Broad Street on the south, and Innsbrook on the west. The Springfield Park Glen Allen station is located at the center of this perimeter. Some of the hailstones were flat like platelets about three quarters of an inch thick and they were even larger some upwards to 2 inches. This was the largest hail that the Glen Allen Station has recorded in its past 8 years of existence. See the following link for pictures.

http://www.glenallenweather.com/historylinks/2017/may/2017-05-27_Hail.pdf

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/glenallenclimate/log/2016/2016_Obs_Rules.pdf

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DAILY RECORDS FOR THE MONTH

The Glen Allen Station had 26 Records or Record Ties in May 2017

1	The minimum temperature on the 1st was 70.2°F, a new 8-year warm daily minimum temperature record for the date - the old record was 65°F in 2014.
2	
3	
4	
5	The daily precipitation on the 5th was 1.39 inches, a new 8-year HIGH daily precipitation record for the date - the old record was 1.03 inches in 2009.
6	
7	The minimum temperature on the 7th was 43.5°F, a new 8-year LOW daily minimum temperature record for the date - the old record was 46°F in 2011. The maximum temperature on the 7th was 66°F, a new 8-year cold daily maximum temperature record for the date - the old record was 69.7°F in 2016.
8	The minimum temperature on the 8th was 40.5°F, a new 8-year LOW daily minimum temperature record for the date - the old record was 53.6°F in 2016. The maximum temperature on the 8th was 66.5°F, a new 8-year cold daily maximum temperature record for the date - the old record was 68°F in 2013.
9	The minimum temperature on the 9th was 38°F, a new 8-year LOW daily minimum temperature record for the date - the old record was 47°F in 2010. The daily temperature range on the 9th was 33.1°F, a new 8-year HIGH daily temperature range record for the date - the old record was 29°F in 2014.
10	
11	
12	The daily precipitation on the 12th was 0.98 inches, a new 8-year HIGH daily precipitation record for the date - the old record was 0.39 inches in 2010. The maximum temperature on the 12th was 53.5°F, a new 8-year cold daily maximum temperature record for the date - the old record was 70°F in 2016. The daily temperature range on the 12th was 3.4°F, a new 8-year LOW daily temperature range record for the date - the old record was 10.7°F in 2016.
13	The daily precipitation on the 13th was 0.34 inches, a new 8-year HIGH daily precipitation record for the date - the old record was 0.23 inches in 2011.
14	The daily temperature range on the 14th was 37.6°F, a new 8-year HIGH daily temperature range record for the date - the old record was 33°F in 2013.
15	
16	The daily temperature range on the 16th was 35.6°F, a new 8-year HIGH daily temperature range record for the date - the old record was 28.4°F in 2016.
17	The maximum temperature on the 17th was 93.7°F, a new 8-year daily HIGH maximum temperature record for the date - the old record was 86°F in 2015. The daily temperature range on the 17th was 31.5°F, a new 8-year HIGH daily temperature range record for the date - the old record was 22°F in 2014 and 2013.
18	
19	The minimum temperature on the 19th was 72.1°F, a new 8-year warm daily minimum temperature record for the date - the old record was 68.7°F in 2015. The maximum temperature on the 19th was 91.3°F, a new 8-year daily HIGH maximum temperature record for the date - the old record was 88.1°F in 2015.
20	
21	
22	
23	The maximum temperature on the 23rd was 66.9°F, a new 8-year cold daily maximum temperature record for the date - the old record was 70.3°F in 2016. The daily temperature range on the 23rd was 5.2°F, a new 8-year LOW daily temperature range record for the date - the old record was 14°F in 2010.
24	The maximum temperature on the 24th was 66.1°F, a new 8-year cold daily maximum temperature record for the date - the old record was 67°F in 2013. The daily temperature range on the 24th was 8.9°F, a new 8-year LOW daily temperature range record for the date - the old record was 13°F in 2010 and 2009. The daily precipitation on the 24th was 0.17 inches, a new 8-year HIGH daily precipitation record for the date - the old record was 0.06 inches in 2013.
25	
26	
27	The daily precipitation on the 27th was 0.49 inches, a new 8-year HIGH daily precipitation record for the date - the old record was 0.19 inches in 2011.
28	The maximum temperature on the 28th was 76.5°F, a new 8-year cold daily maximum temperature record for the date - the old record was 80°F in 2010. The daily temperature range on the 28th was 13.3°F, a new 8-year LOW daily temperature range record for the date - the old record was 16°F in 2012.
29	
30	
31	