





Apr 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
Apr-01	Sat	70.5	14:38	48.0	23:59	22.5	59.3	4.4	56	1	1							
Apr-02	Sun	65.6	17:32	41.0	07:25	24.6	53.3	-6.0	56	0	0							
Apr-03	Mon	68.8	16:48	47.0	07:05	21.8	57.9	4.6	56	2	2	0.12	0.10	0.04			1735	2110
Apr-04	Tue	81.3	15:50	61.2	23:59	20.1	71.3	13.4	58	2	1							
Apr-05	Wed	78.8	14:36	49.6	06:56	29.2	64.2	-7.1	59	0	2							
Apr-06	Thu	69.8	15:28	50.0	23:50	19.8	59.9	-4.3	60	2	1	0.90	0.44	0.10			0430	0435
Apr-07	Fri	55.1	14:09	39.3	23:58	15.8	47.2	-12.7	58	2	2	T	T	T			1525	1527
Apr-08	Sat	68.0	17:28	31.6	06:32	36.4	49.8	2.6	55	0	0							
Apr-09	Sun	74.2	17:21	37.0	06:51	37.2	55.6	5.8	55	0	0							
Apr-10	Mon	80.2	16:34	54.3	01:58	25.9	67.3	11.7	57	0	1							
Apr-11	Tue	85.4	15:32	59.7	07:09	25.7	72.6	5.3	59	0	0							
Apr-12	Wed	81.9	17:23	57.6	07:01	24.3	69.8	-2.8	61	2	1	T	T	T			1215	1220
Apr-13	Thu	75.2	16:02	56.1	23:47	19.1	65.7	-4.1	62	1	1							
Apr-14	Fri	73.3	15:08	48.5	06:25	24.8	60.9	-4.8	61	2	2							
Apr-15	Sat	85.1	17:08	55.1	04:28	30.0	70.1	9.2	60	1	1	T	T	T			1915	1920
Apr-16	Sun	86.6	14:45	65.1	06:57	21.5	75.9	5.8	63	0	1	T	T	T			1950	1955
Apr-17	Mon	82.8	12:45	57.3	23:58	25.5	70.1	-5.8	64	0	2	0.01	0.01	T			1255	1340
Apr-18	Tue	71.6	13:53	54.4	06:13	17.2	63.0	-7.1	63	1	1							
Apr-19	Wed	64.9	14:23	51.0	05:47	13.9	58.0	-5.1	62	2	2	0.08	---	---			0409	0905
Apr-20	Thu	84.5	15:37	57.9	05:30	26.6	71.2	13.3	62	2	0	0.26	0.26	0.11			1905	2030
Apr-21	Fri	86.8	15:19	62.3	06:58	24.5	74.6	3.3	65	2	1	0.27	0.27	0.15			1918	1955
Apr-22	Sat	67.7	0:01	51.0	23:58	16.7	59.4	-15.2	67	2	2	0.35	0.22	0.04			0220	0330
Apr-23	Sun	57.1	15:21	49.7	06:54	7.4	53.4	-6.0	63	2	2	0.12	0.05	0.01			0045	0600
Apr-24	Mon	55.5	16:55	49.3	09:39	6.2	52.4	-1.0	61	2	2	0.40	0.08	0.04			0145	1100
Apr-25	Tue	63.9	15:34	54.4	00:01	9.5	59.2	6.8	60	2	2	0.50	0.17	0.06			0055	0130
Apr-26	Wed	78.1	17:07	57.8	06:07	20.3	68.0	8.8	61	2	1	0.02	0.01	T			0545	0710
Apr-27	Thu	84.5	15:22	61.6	04:50	22.9	73.1	5.1	63	0	1							
Apr-28	Fri	86.3	15:52	66.1	04:03	20.2	76.2	3.1	66	0	0	0.37	0.34	0.18			0040	0325
Apr-29	Sat	88.9	15:48	73.0	06:20	15.9	81.0	4.8	68	1	0							
Apr-30	Sun	87.1	15:37	72.2	06:25	14.9	79.7	-1.3	70	1	0							

TOTAL NUMBER	2260		1619		640.4	1939.3	24.8	1831	34.0	32.0	3.40	1.95	0.73	0	0	Col.26-27	
AVERAGE	30	30	30	30	30	30	30	30	30	30	12	11	9	0	0	DAILY AVE RH	
NORMALS	70.49		46.99		19.80	58.74		57.34	1.06	1.11	3.26	0.45	0.12	0.0	0.0	68.4	Percent
DEPARTURES	4.83		6.98		1.5	5.91		3.7	0.07	-0.04	0.14	-0.01	0.06	0.0	0.0	5.8	Percent

MaxTemps. >= 70°F	88.9		73		37.2	81.0	13.4	70.0	Whole Day		0.90	0.44	0.18	0	0.0	Precip	24 Hr.
2017 21	Apr-29		Apr-29		Apr-09	Apr-29	Apr-04	Apr-30	Ave.Sky	1.10	Apr-06	Apr-06	Apr-28			Amount	0.90
Ave. 17.0									Normal	1.00						Date	Apr-06
Departure 4.0									Depart.	0.10						Date	

MinTemps. <= 32°F	55.1		31.6		6.2	47.2	-15.2	55.0	SKY	AM	PM	>= 0.10	INCHES	>= 1.00	INCHES	>= 2.00	INCHES
2017 1	Apr-07		Apr-08		Apr-24	Apr-07	Apr-22	Apr-08	CLEAR	10	8	9	DAYS	0	DAYS	0	DAYS
Ave. 1.3								Apr-09	P.CLO.	6	12	Hottest	81.0	Highest	Lowest	Coollest	47.2
Departure -0.3									CLO.	14	10	DAY	4-29	Mean	Mean	DAY	4-07

Days Max. <=32 °F	0				MAX. ≥85	≥ 90	≥ 85	≥ 80	≥ 75	≥ 70	≥ 65	≥ 60	≥ 55	≥ 50	≥ 45	≥ 40	≥ 35
Days Max. >=90°F	0				DAYS 9	0	9	13	16	21	26	27	30	30	30	30	30

#2		21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	
Apr 2017	2nd PERIOD		WIND			REL. HUMIDITY		BAROMETRIC PRESSURE												
	START	END	RUN	MAX.	TIME	MAX.	MIN.	MAX.	MIN.	AVE.	CHANGE	GLAZE	SLEET	SNOW	FOG			DEW	FROST	
Apr-01			92.6	23	19:19	98	47	30.11	29.67	29.89	0.08								P	
Apr-02			60.7	18	9:24	79	32	30.25	30.11	30.18	0.29								2	
Apr-03			72.9	20	21:20	95	45	30.16	29.66	29.91	-0.27								3	
Apr-04			130.3	28	9:02	90	35	29.77	29.60	29.69	-0.22								P	
Apr-05			47.7	21	18:36	93	39	29.92	29.69	29.81	0.12								4	
Apr-06	0753	1150	116.1	33	17:55	96	41	29.71	29.26	29.49	-0.32							2	2	
Apr-07			115.9	26	0:54	63	38	29.92	29.48	29.70	0.22								N	
Apr-08			21.1	17	13:08	82	22	30.07	29.91	29.99	0.29									3
Apr-09			27.0	19	16:34	88	21	30.22	30.06	30.14	0.15								3	
Apr-10			138.9	29	14:37	63	31	30.26	30.14	30.20	0.06								N	
Apr-11			129.9	25	8:45	79	33	30.21	30.08	30.15	-0.06								N	
Apr-12			47.3	19	3:32	84	40	30.26	30.09	30.18	0.03								1	
Apr-13			75.8	19	21:10	68	29	30.37	30.25	30.31	0.14								N	
Apr-14			26.4	15	22:25	89	39	30.37	30.26	30.32	0.00								3	
Apr-15			70.8	19	15:59	72	46	30.34	30.12	30.23	-0.09							1	N	
Apr-16			141.1	30	13:48	75	34	30.16	29.96	30.06	-0.17								N	
Apr-17	1505	1525	71.8	21	14:05	85	45	30.13	29.98	30.06	-0.01								N	
Apr-18			53.7	17	9:14	96	41	30.40	30.13	30.27	0.21								P	
Apr-19	0955	1000	21.4	11	8:13	95	56	30.43	30.24	30.34	0.07								P	
Apr-20			57.9	30	19:00	96	48	30.24	29.95	30.10	-0.24							2	1	
Apr-21			47.4	28	19:21	97	47	29.96	29.76	29.86	-0.23								3	P
Apr-22	0540	0645	78.3	21	16:00	98	94	30.02	29.81	29.92	0.05							1	P	
Apr-23	1510	2020	59.2	14	11:16	98	72	30.12	30.01	30.07	0.15								P	
Apr-24	1205	2240	140.7	23	17:04	100	92	30.07	29.86	29.97	-0.10								P	
Apr-25	0420	1400	147.0	26	10:20	100	97	29.86	29.65	29.76	-0.21								P	
Apr-26			20.7	11	0:55	100	57	29.81	29.68	29.75	-0.01								P	
Apr-27			107.3	26	15:18	98	49	29.86	29.76	29.81	0.07								4	
Apr-28			47.3	18	16:41	98	52	30.04	29.86	29.95	0.14								P	
Apr-29			100.8	20	2:30	94	62	30.13	30.01	30.07	0.12								1	
Apr-30			127.1	24	15:40	95	54	30.12	30.01	30.07	0.00								3	
TOTAL NUMBER	Column 23		2395.1	651		2664	1438	903.29	897.05	900.17	DAYS	0	0	0	0	5	11	1		
	Mar. Wind Run		30	30	30	30	30	30	30	30	Normal	0.0	0.1	0.3	2.3	3.6	13.5	3.6		
AVERAGE	Total		2395.1	79.84	21.70	13:24	88.80	47.93	30.11	29.90	30.01	Depart.	0.0	-0.1	-0.3	-2.3	1.4	-2.5	-2.6	
NORMALS	Miles	2112.4	70.4	21.4		87.6	37.4	30.11	29.89	30.00	Rating ▶	0	0	0	0	9	27	3		
DEPARTURES	Miles	282.7	9.4	0.3		1.2	10.5	0.00	0.01	0.01	Intensity	GLAZE	SLEET	SNOW	FOG		Dew	Frost		
MAXIMUM DATES	Dates	147.0	33	SSW	100	97	30.43	30.26	30.34	0.29	5. Very Heavy 4. Heavy-Unusual 3. Moderate - Ave. 2. Light - >= Ave. 1. Very Light - Slight - Trace M - Event with intensity missing	GLAZE	SLEET	SNOW	FOG		Dew	Frost	N- None No Dew Obs. P- Precip. prevent obs.	
	1	Apr-25	Apr-06	17:55	Apr-24	Apr-25	Apr-19	Apr-14	Apr-19	Apr-02										
	2				Apr-25					Apr-08										
	3					Apr-26														
4																				
MINIMUM DATES	Dates	20.7	11		63	21	29.71	29.26	29.49	-0.32	1. Very Light - Slight - Trace M - Event with intensity missing	GLAZE	SLEET	SNOW	FOG		Dew	Frost	N- None No Dew Obs. P- Precip. prevent obs.	
	1	Apr-26	Apr-19		Apr-07	Apr-09	Apr-06	Apr-06	Apr-06	Apr-06										
2			Apr-26		Apr-10															
Days Min. <=32 °F	1	MIN. Days	≤ 75	≤ 70	≤ 65	≤ 60	≤ 55	≤ 50	≤ 45	≤ 40	≤ 35	≤ 30	≤ 25	≤ 20	≤ 15					
Days Min >=70°F	2		30	28	27	23	17	11	4	3	1	0	0	0	0					

REMARKS FOR THE MONTH

April - 2017

Apr-01	CLOUDY UNTIL 0915 THEN CLEAR 0930-1115 THEN CUMULUS AND STRATOCUMULUS AT 1500 FOLLOWED BY CLEARING AGAIN
Apr-02	PLEASANT SPRING DAY-ONLY A FEW WIDELY SCATTERED CIRRUS AGAINST A BLUE SKY
Apr-03	ONLY SUN TODAY BET. 0800-0900-RAIN FROM LP PASSING TO GLEN ALLEN'S NW
Apr-04	AM CLOUDY WITH CUMULUS AND PC FROM 0915-1100-AM EST. 70-75% CLOUDY-PM EST. 60-70% CLOUDY
Apr-05	SKY MIRROR LOOKED LIKE A #3 DEW BUT IT WAS #4-PM WAS GIVEN CLOUDY BECAUSE OF THICKENING CIRRUS TO CIRROSTRATUS
Apr-06	1243-1245 PEA SIZE HAIL-NOT MUCH LIGHTNING IN TS-HAIL WAS A SURPRISE-3RD SHOWER PD. 1240-1400-TS RATED 2 BECAUSE OF SMALL HAIL
Apr-07	CLOUDY ALL DAY AND WINDY AND CHILLY FOR APRIL-TRACE OF PRECIP. WAS MINISCULE
Apr-08	ALMOST TOTALLY CLEAR ALL DAY AND WARMER WITH A FEW CIRRUS AFTER 1630
Apr-09	BEAUTIFUL SPRING DAY-VERY CLEAR AM
Apr-10	MORNING BREEZE PREVENTED AM DEW AND A WINDY AFTERNOON WITH A FEW PM CIRRUS MADE FOR PC SKIES
Apr-11	ANOTHER BEAUTIFUL SPRING DAY WITH MORNING BREEZE PREVENTING DEW-WARMEST MAX. SINCE OCT. 20, 2016
Apr-12	AM CIRRUS CLOUDS MOST OF DAY WITH SOME ALTOSTRATUS LATER AND A VERY QUICK NOON SPRINKLE FOLLOWED BY CLEARING AFTER 1600
Apr-13	CLOUDY 0645-0930 THEN MOSTLY CLEAR 0945-1345 THEN CLOUDY 1400-1415 THEN PC REST OF THE DAY
Apr-14	DEW ALMOST RATED 4-MOSTLY CLOUDY AND COOL DAY WITH ALTOSTRATUS IN AM THREATENING A SPRINKLE BUT NO RAIN
Apr-15	3 THUNDERS AT 1915, 1937, 1943-MOSTLY CLOUDY FROM 0930 THEN THIN CIRRUS IN PM BUT MUCH SUN THROUGH CLOUD COVER
Apr-16	THIN CIRRUS CAME IN AT 1300 AND CUMULUS ADDED TO SKY AT 1400-PM EST. TO BE 55-65% CLEAR & SOME PM SPRINKLES
Apr-17	ONLY SPRINKLES THIS AFTERNOON - 3RD PD. OF SPRINKLES 1830-2050
Apr-18	SUN THROUGH A THIN BUT COMPLETE CIRROSTRATUS CLOUD COVER IN AM BUT CLEARING AT 0945 THEN SOME CUMULUS AFTER 1445
Apr-19	3RD PD. OF PRECIP. 1215-1235-POLLEN CLOGGED TRIPPING BUCKET GAUGE BUT DISCOVERED AT 1830 AND CORRECTED
Apr-20	IRRIGATION AFFECTED DEW READING BUT NEIGHBOR'S YARD WAS CHECKED AND RATED 1-MOSTLY CLOUDY UNTIL 1100 THEN CLEAR-CLOUDS CAME BACK AS
Apr-21	A HOT DAY FOR APRIL WITH HIGH DEW POINT OF 68°F & TS TOOK OUT POWER AROUND 1925 FOR AN HOUR-PC SKY UNTIL 1015 THEN CLOUDY & PC IN PM
Apr-22	DRIZZLE PDS. 0220-0330 & 0540-0645-THUNDER 1630 AND 1703 HEARD ONLY TWICE IN TS-MUCH DRIZZLE DURING DAY
Apr-23	VERY LIGHT RAIN MOST OF DAY -3RD PD. OF PREICP. 2055-2400
Apr-24	VERY LIGHT RAIN UNTIL ABOUT 1840 THEN MODERATE RAIN OCCURRED LASTING ABOUT 15 MINS.
Apr-25	3RD PD. OF DRIZZLE 1840-2230-MODERATE RAIN IN AM AND DRIZZLE AND MIST IN PM
Apr-26	TODAY HAD 1ST SUN SEEN SINCE 21ST AND IT HAS BEEN 15 DAYS SINCE THERE HAS BEEN A FULL DAY OF CLEAR WEATHER
Apr-27	CLOUDS CAME IN AT 1230 AS CUMULUS AND INCREASED IN PM-1ST DAY IN 8 DAYS WITHOUT MEASURABLE RAINFALL
Apr-28	VERY CLEAR UNTIL 0915 THEN SCATTERED CUMULUS AND THEN CLEAR AGAIN AFTER 1830-PM EST. TO BE 30% CLEAR
Apr-29	AM BREEZE GAVE ONLY LIGHT DEW ON GRASS-CLEARING STARTED @1045 THEN CLEAR BUT INCREASING HAZE DURING DAY & CLOUDY AGAIN AFTER 1700-AM EST. 60-65%
Apr-30	CLOUDY FROM 0930 TO 1100 THEN CLEARING AND CONTINUED HOT FOR APRIL BUT NOT AS HUMID AS YESTERDAY

DATE

EXTENSION OF LENGTHY DAILY REMARKS

Apr-20 CUMULUS AND A TS THAT OCCURRED AT 1910 WASN'T SEVERE BUT IT WAS A CLOSE LIGHTNING STRIKE THAT TOOK OUT PHONE AND INTERNET SERVICE.
 Apr-29 CLOUDY AND WAS VERY HUMID WITH MAX. DEW POINT OF 77°F

Apr-06 Small pea size hail from 1243 to 1245

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/glenallencimate/log/2016/2016_Obs_Rules.pdf

Apr
2017DAILY RECORDS FOR THE MONTH
The Glen Allen Station had 22 Records or Record Ties in April 2017

1

2

3

4

The minimum temperature on the 4th was 61.2°F, a new 8-year warm daily minimum temperature record for the date - the old record was 56°F in 2010.

The daily temperature range on the 4th was 20.1°F, a new 8-year LOW daily temperature range record for the date - the old record was 23°F in 2013 and 2010.

5

6

The daily precipitation on the 6th was 0.90 inches, a new 8-year HIGH daily precipitation record for the date - the old record was 0.25 inches in 2010.

7

8

The minimum temperature on the 8th was 31.6°F, a new 8-year LOW daily minimum temperature record for the date - the old record was 34°F in 2009.

9

The daily temperature range on the 9th was 37.2°F, a new 8-year HIGH daily temperature range record for the date - the old record was 30°F in 2009.

10

11

12

13

14

15

16

The minimum temperature on the 16th was 65.1°F, a new 8-year warm daily minimum temperature record for the date - the old record was 64°F in 2012.

17

The maximum temperature on the 17th was 82.8°F, a new 8-year daily HIGH maximum temperature record for the date - the old record was 82°F in 2013.

18

19

The maximum temperature on the 19th was 64.9°F, a new 8-year cold daily maximum temperature record for the date - the old record was 65°F in 2014.

The daily temperature range on the 19th was 13.9°F, a new 8-year LOW daily temperature range record for the date - the old record was 16.4°F in 2015.

20

21

The minimum temperature on the 21st was 62.3°F, a new 8-year warm daily minimum temperature record for the date - the old record was 55°F in 2012.

The maximum temperature on the 21st was 86.8°F, a new 8-year daily HIGH maximum temperature record for the date - the old record was 80°F in 2012.

22

23

The daily precipitation on the 23rd was 0.12 inches, a new 8-year HIGH daily precipitation record for the date - the old record was 0.06 inches in 2012.

The daily temperature range on the 23rd was 7.4°F, a new 8-year LOW daily temperature range record for the date - the old record was 9°F in 2012.

24

The daily precipitation on the 24th was 0.40 inches, a new 8-year HIGH daily precipitation record for the date - the old record was 0.04 inches in 2010.

The maximum temperature on the 24th was 55.5°F, a new 8-year cold daily maximum temperature record for the date - the old record was 62°F in 2012.

The daily temperature range on the 24th was 6.2°F, a new 8-year LOW daily temperature range record for the date - the old record was 9°F in 2010.

25

26

27

28

The maximum temperature on the 28th was 86.3°F, a new 8-year daily HIGH maximum temperature record for the date - the old record was 86°F in 2009.

The minimum temperature on the 28th was 66.1°F, a new 8-year warm daily minimum temperature record for the date - the old record was 61°F in 2011.

29

The minimum temperature on the 29th was 73°F, a new 8-year warm daily minimum temperature record for the date - the old record was 53°F in 2013 and 2009.

The maximum temperature on the 29th was 88.9°F, a new 8-year daily HIGH maximum temperature record for the date - the old record was 74.8°F in 2015.

30

The minimum temperature on the 30th was 72.2°F, a new 8-year warm daily minimum temperature record for the date - the old record was 56°F in 2013.

The maximum temperature on the 30th was 89°F, a new 8-year daily HIGH maximum temperature record for the date - the old record was 85°F in 2010.