


PAGE #1 **Apr 2016 West Henrico Co. - Glen Allen Weather Center 37.6537° N. 77.56929° W. - Koontz**

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		TEMPERATURE °F				TEMPERATURE °F				SKY		PRECIPITATION			FROZ. PRECIP.		1st PERIOD		
Apr 2016	Week Day	MAX.	Time	MIN.	Time	RANGE	MEAN	CHANGE	SOIL	AM	PM	Liquid	1 Hr.	5 Min.	NEW	GROUND	START	END	
Apr-01	Fri	78.8	14:55	64.1	09:04	14.7	71.5	6.1	59	2	2	0.35	0.27	0.09			0048	0245	
Apr-02	Sat	70.2	0:01	52.0	11:04	18.2	61.1	-10.4	61	2	1	0.12	0.09	0.02			0524	1210	
Apr-03	Sun	60.0	17:20	35.0	07:04	25.0	47.5	-13.6	57	0	0								
Apr-04	Mon	77.9	15:25	50.8	07:04	27.1	64.4	16.9	56	0	1	0.01	0.01	T			1900	2100	
Apr-05	Tue	56.3	0:01	31.3	23:41	25.0	43.8	-20.6	57	1	0	0.13	0.11	0.02			0050	0325	
Apr-06	Wed	59.4	16:51	26.5	06:42	32.9	43.0	-0.8	53	0	0								
Apr-07	Thu	66.4	15:59	43.9	23:39	22.5	55.2	12.2	55	2	1	0.47	0.29	0.14			0505	0630	
Apr-08	Fri	59.6	17:25	37.6	07:00	22.0	48.6	-6.6	55	1	1								
Apr-09	Sat	52.4	16:05	33.1	23:44	19.3	42.8	-5.9	55	2	1	T	T	T	T	None	0153	0320	
Apr-10	Sun	56.3	17:23	25.2	06:39	31.1	40.8	-2.0	52	0	0								
Apr-11	Mon	74.0	17:00	48.2	04:35	25.8	61.1	20.4	54	2	0	T	T	T			0120	0125	
Apr-12	Tue	67.5	13:18	50.1	23:42	17.4	58.8	-2.3	57	2	2	0.08	0.03	0.01			0220	0430	
Apr-13	Wed	61.1	17:16	40.2	05:09	20.9	50.7	-8.1	55	0	0								
Apr-14	Thu	64.1	15:30	35.8	06:20	28.3	50.0	-0.7	54	0	0								
Apr-15	Fri	65.6	14:55	35.6	06:58	30.0	50.6	0.6	55	0	0								
Apr-16	Sat	72.5	14:51	35.6	06:40	36.9	54.1	3.5	55	0	0								
Apr-17	Sun	74.4	17:39	35.9	06:36	38.5	55.2	1.1	55	0	0								
Apr-18	Mon	87.0	14:51	43.5	06:37	43.5	65.3	10.1	56	0	0								
Apr-19	Tue	87.2	15:22	49.5	06:44	37.7	68.4	3.1	59	2	2								
Apr-20	Wed	72.5	17:15	51.7	07:00	20.8	62.1	-6.2	60	0	0								
Apr-21	Thu	79.7	17:00	45.4	06:25	34.3	62.6	0.4	59	2	2								
Apr-22	Fri	75.1	11:20	62.5	23:36	12.6	68.8	6.3	61	2	2	0.57	0.33	0.07			1144	1515	
Apr-23	Sat	73.0	13:13	54.6	23:19	18.4	63.8	-5.0	63	2	1	T	T	T			0001	0010	
Apr-24	Sun	71.6	17:20	43.1	06:39	28.5	57.4	-6.5	61	0	0								
Apr-25	Mon	84.3	16:14	50.6	06:21	33.7	67.5	10.1	61	0	2								
Apr-26	Tue	88.5	15:19	64.4	06:14	24.1	76.5	9.0	63	0	2	0.30	0.21	0.10			1914	2000	
Apr-27	Wed	71.3	10:04	56.3	23:47	15.0	63.8	-12.7	65	2	2	0.09	0.04	0.01			0001	0130	
Apr-28	Thu	59.9	16:38	53.5	23:50	6.4	56.7	-7.1	65	2	2	0.32	0.18	0.07			0448	1010	
Apr-29	Fri	61.3	16:10	50.8	04:30	10.5	56.1	-0.7	62	2	2	T	T	T			0115	0125	
Apr-30	Sat	61.4	13:58	52.9	07:29	8.5	57.2	1.1	61	2	2	0.01	0.01	0.01			1915	2005	
TOTAL NUM		2089		1360		729.6	1724.5	-8.2	1741	30.0	28.0	2.45	1.57	0.54	T	0	Col.26-27		
Ave.		69.64	14:33	45.32	11:16	24.32	57.48	-0.27	58.03	1.00	0.93	Ave. Tot.	Ave. Max	Ave. Max	Ave. Tot.	Ave. Days	61.9	Percent	
Normals		70.61		47.22		19.79	58.92		57.24	1.08	1.12	3.38	0.82	0.12	0.0	0.0	62.6	Percent	
Departures		-0.97		-1.90		4.5	-1.43		0.8	-0.08	-0.19	-0.93	-0.49	0.02	0.0	0.0	-0.7	Percent	
MAX. DATES	Dates	88.5		64.4		43.5	76.5	20.4	65.0	Whole Day		0.57	0.33	0.14	T	0.0	Precip	24 Hr.	
	1	Apr-26		Apr-26		Apr-18	Apr-26	Apr-11	Apr-27	Ave.Sky	0.97	Apr-22	Apr-22	Apr-07	Apr-09		Amount	0.57	
	2								Apr-28	Normal	1.00						Date	Apr-22	
	3									Depart.	-0.03						Date		
MIN. DATES	Dates	52.4		25.2		6.4	40.8	-20.6	52.0	SKY		>= 0.10	INCHES	>= 1.00	INCHES	>= 2.00	INCHES		
	1	Apr-09		Apr-10		Apr-28	Apr-10	Apr-05	Apr-10	AM	PM	7	DAYS	0	DAYS	0	DAYS		
	2									CLEAR	14	13							
	3									P.CLO.	2	6	Hottest DAY	76.5	Highest Mean	Lowest Mean	Coolest DAY	40.8	
										CLO.	14	11	4-26	4-26				4-10	
<=32°F		0	<=32°F	3		MAX.	>=95	>=90	>=85	>=80	>=75	>=70	>=65	>=60	>=55	>=50	>=45	>=40	>=35
>=90°F		0	>=70°F	0			0	0	3	5	8	16	19	26	29	30	30	30	30

Apr 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			
Apr-01	0720	0905	162.2	26	13:06	94	59	29.83	29.63	29.73	-0.27				1	P			
Apr-02			89.1	29	17:55	91	27	29.69	29.43	29.56	-0.17					P			
Apr-03			101.6	29	2:03	57	24	30.05	29.57	29.81	0.25					N			
Apr-04			195.8	36	16:01	89	23	30.03	29.73	29.88	0.07					N			
Apr-05			160.7	33	9:03	93	28	30.42	29.93	30.18	0.29				P	Freeze			
Apr-06			94.5	25	19:07	88	23	30.44	29.95	30.20	0.02				2	P	4		
Apr-07	725	0955	132.9	34	16:29	94	34	29.95	29.49	29.72	-0.48					P			
Apr-08			53.5	22	10:26	89	26	29.83	29.67	29.75	0.03					P			
Apr-09	1058	1100	109.8	30	15:25	80	26	30.23	29.73	29.98	0.23			1		P			
Apr-10			54.7	18	15:40	77	23	30.46	30.23	30.35	0.36						3		
Apr-11	0418	0430	183.5	35	10:53	60	36	30.32	30.01	30.17	-0.18					P			
Apr-12	0555	0610	124.5	27	5:37	92	33	30.28	30.01	30.15	-0.02					P			
Apr-13			69.3	18	9:18	74	30	30.42	30.27	30.35	0.20					N			
Apr-14			43.3	20	14:10	95	28	30.36	30.28	30.32	-0.02					4	2		
Apr-15			41.9	14	11:37	94	30	30.44	30.34	30.39	0.07					3	2		
Apr-16			37.6	15	19:12	91	24	30.45	30.34	30.40	0.00					3	2		
Apr-17			30.1	17	15:01	93	21	30.49	30.32	30.41	0.01					3	2		
Apr-18			26.0	15	14:26	80	16	30.33	30.11	30.22	-0.19					2			
Apr-19			58.5	23	16:26	90	20	30.15	29.99	30.07	-0.15					3			
Apr-20			75.8	18	2:32	51	18	30.32	30.15	30.24	0.16					N			
Apr-21			101.0	25	22:38	83	43	30.25	30.01	30.13	-0.10					1			
Apr-22	1825	2315	100.9	25	11:43	96	64	30.04	29.88	29.96	-0.17					N			
Apr-23			89.0	27	12:30	99	52	30.00	29.81	29.91	-0.05				2	P			
Apr-24			45.4	14	8:30	86	23	30.16	30.00	30.08	0.17					3			
Apr-25			112.9	20	12:50	88	34	30.08	29.86	29.97	-0.11					2			
Apr-26	2145	2400	129.8	24	17:58	91	33	29.88	29.72	29.80	-0.17				1	N			
Apr-27	0315	0325	52.4	13	10:45	97	76	29.94	29.77	29.86	0.06			1		P			
Apr-28	2015	2025	38.7	13	20:03	97	92	30.02	29.91	29.97	0.11				1	P			
Apr-29			48.4	11	0:07	98	77	30.10	29.96	30.03	0.07					P			
Apr-30	2205	2215	32.1	11	11:11	95	70	30.22	30.10	30.16	0.13					3			
TOTAL Number	Column 23		2595.9	667		2602	1113	905.18	898.20	901.69	TOTAL	0	0	1	2	4	10	6	
	Mar. Wind Run		30	30	30	30	30	30	30	30	Normal	0.0	0.1	0.1	2.1	3.6	14.0	3.7	
AVE.	Total		2595.9	86.53	22.23	12.45	86.73	37.10	30.17	29.94	30.06	Depart.	0.0	-0.1	0.9	-0.1	0.4	-4.0	2.3
Normals	Miles		2043.3	68.1	21.2		87.7	37.5	30.11	29.88	29.99								
Departures	Miles		552.6	18.4	1.0		-1.0	-0.4	0.07	0.06	0.06	GLAZE	SLEET	SNOW	FOG	THUNDER	DEW	FROST	
MAXIMUM DATES			Dates	195.8	36	SSW	99	92	30.49	30.34	30.41	0.36							
			1	Apr-04	Apr-04	16:01	Apr-23	Apr-28	Apr-17	Apr-15	Apr-17	Apr-10	5. Very Heavy 4. Heavy-Unusual 3. Moderate - Ave. 2. Light - < Ave. 1. Very Light - Slight - Trace M - Event with intensity missing R - Rain hindering Dew Observation						
			2							Apr-16			N- None						
			3																
			4																
MINIMUM DATES			Dates	26.0	11		51	16	29.69	29.43	29.56	-0.48	1. Very Light - Slight - Trace M - Event with intensity missing R - Rain hindering Dew Observation						
			1	Apr-18	Apr-29		Apr-20	Apr-18	Apr-02	Apr-02	Apr-02	Apr-07							
			2		Apr-30														
MINIMUM			<=75	<=70	<=65	<=60	<=55	<=50	<=45	<=40	<=35	<=30	<=25	<=20	<=15	<=10	<=5	<=0	<=-5
			30	30	30	27	26	18	15	11	5	2	1	0	0	0	0	3	0

Apr 2016	REMARKS FOR THE MONTH April - 2016
Apr-01	TS-1-2-2 - 5 THUNDERS IN THUNDERSTORM FROM 0742-0754-CLOUDY ALL DAY EXCEPT PC FROM 1445-1600-EST. PM 80-90% CLOUDY
Apr-02	VERY LITTLE LIGHT AM RAIN THEN SLOW CLEARING THAT STARTED AT 1600 AND CLEARED BY 1800-PM EST. 55-65% CLOUDY
Apr-03	VERY CLEAR DAY WITH LOW REL. HUMIDITY-MIN. DEW POINT WAS 12.8 AT 0405 AND CHILLY FOR APRIL
Apr-04	WARM AND PLEASANT APRIL DAY WITH LOW REL. HUMIDITY FOLLOWED BY STRONG COLD FRONTAL PASSAGE AT 1900-CIRRUS CAME IN FROM NW ABOUT 1120
Apr-05	SKY STARTED TO CLEAR AROUND 0800 AND MOSTLY CLEAR BY 0915 AND NO CLOUDS AFTER 1020-VERY COLD FOR APRIL - BELOW FREEZING BY MIDNIGHT BUT NO FROST
Apr-06	ONLY 0.2°F FROM RECORD LOW TEMP. FOR APRIL AT GLEN ALLEN-REC. IS 26.4°F SET APRIL 3, 2013
Apr-07	TS-1-4-1 - THUNDERSTORM WITH PEA SIZE HAIL THAT LASTED ONLY A MINUTE OR 2 (INSIGNIFICANT) WITH 3-4 THUNDERS & WIND SPEED
Apr-08	AM PARTLY CLOUDY - EST. CLOUD COVER 55% AND PM WITH CUMULUS AVERAGED 35-40% CLOUDY
Apr-09	SNOW FLURRY LASTED EXACTLY 2 MINS. FROM 1058-1100-SNOW SHOWER PASSED TO SOUTH-VIRGA SEEN IN AM ALSO-COLD AND WINDY APRIL DAY
Apr-10	VERY SUNNY AND BREEZY DAY AFTER COLDEST APRIL TEMPS. EVER REC. AT GLEN ALLEN STATION-SOME DAMAGE DONE TO YOUNG GROWTH ON NANDIAS, ROSES,
Apr-11	CLOUDY TO 1030 THEN PC TO NOON THEN GENERALLY CLEAR TO 1745 AND CLOUDY AGAIN BY 1830
Apr-12	3RD PD. OF PRECIP. 0700-1125, 4TH PD. 1355-1515 - SOME CLEARING AFTER 1545
Apr-13	VERY SUNNY, NO CLOUDS UNTIL 1800- DRY, LOW REL. HUMIDITY OF 30% AND COOL DAY FOR APRIL
Apr-14	FROST ON ROOFS AND LITTLE SEEN ON GRASS IN LOWER PLACES-COLD START TODAY BUT A PLEASANT AFTERNOON
Apr-15	FROST ON ROOFS AND A LITTLE SEEN ON GRASS IN LOWER PLACES - COOL START TODAY AND PLEASANT PM-AM VERY CLEAR, PM SCATTERED CIRRUS AFTER 1800
Apr-16	BEAUTIFUL SPRING DAY WITH DRY FOR APRIL
Apr-17	BEAUTIFUL SPRING DAY AND LOW REL. HUMIDITY OF 21% - NO CLOUDS SEEN DURING DAY
Apr-18	WARMEST DAY OF 2016 - VERY CLEAR AGAIN WITH MIN. REL. HUMIDITY OF 18%
Apr-19	THE SKY IS MOSTLY CLOUDY WITH CIRRUS BUT THEY ARE THIN ENOUGH THAT SUNLIGHT PASSED THROUGH THE CLOUDINESS STILL GIVING A BRIGHT SKY.
Apr-20	VERY FEW CLOUDS SEEN AND 8 DAYS WITHOUT TRACE OF RAIN-VERY LOW HUMIDITY OF 18% AT 1710 AND NO DEW THIS MORNING
Apr-21	AM MOSTLY CLOUDY AND PM SUN THROUGH BROKEN OVERCAST AT TIMES-INCREASE IN REL. HUMIDITY TODAY
Apr-22	3RD PD. OF PRECIP. 1345-2400 - FIRST RAIN IN 10 DAYS
Apr-23	AM HEAVY LOW CLOUDS EST. 75-80% CLOUDY - PM EST. 40-50% CLOUDY - BREEZY AND COOL DAY
Apr-24	A LITTLE AM BREEZE REDUCED THE DEW FORMATION
Apr-25	CLEAR AM WITH FEW CIRRUS AFTER 1015 EST. AM CLOUD COVER AT 90% - PM VERY THIN CLOUDS BUT 70-80% CLOUD COVERAGE
Apr-26	HIGH MIN. TEMP. AND BREEZY AM CONDITIONS KEPT DEW FROM FORMING - CLOUDS STARTED COMING IN FROM NW AT 1015 - EST. 90% CLEAR - PM 70-80% CLOUDY
Apr-27	BACK DOOR COLD FRONT PASSED BET. 0900-1000 - 3RD PD. OF SPRINKLES 0510-0515 - 4TH PD. RAIN 1915-2135
Apr-28	LIGHT DRIZZLE STARTED AROUND 1600 AND FEW SPRINKLES TO 1620 THEN HEAVY RAIN AROUND 2115 & THUNDER AT 2045 & 2154
Apr-29	CLOUDY, DAMP, COOL DAY WITH NO SUN AND COOL FOR END OF APRIL
Apr-30	CLOUDS AND DAMP COOL WEATHER CONTINUES - THE 3RD PERIOD OF PRECIPITATION WAS FROM 2335-2340 - NO SUN AGAIN TODAY
DATE	EXTENSION OF LENGTHY DAILY REMARKS
Apr-04	BUT JUST ON HORIZON AND WAS OVER MOST OF SKY BY 1530 THEN ALTOSTRATUS AND HEAVIER CLOUDS BY 1700-PM EST. TO BE 45-55% CLOUDY
Apr-05	BECAUSE OF WINDY CONDITIONS WITH GUST AROUND 20 MPH.
Apr-07	OF 34 MPH - 3RD PD. OF PRECIP. 1840-2040 - PM WAS EST. TO BE ABOUT 60% CLOUDY
Apr-10	HYDRANGEAS AND EVEN SLIGHT DAMAGE TO BLOOM OF SPICE BUSH VIBURNUM AND LILAC
Apr-19	SUN THROUGH A 75-85% CLOUD COVER BUT THIN CIRRUS-WARMEST DAY OF 2016 AGAIN AND WARMEST SINCE SEPT. 9, 2015
Apr-26	2 TS - FIRST THUNDERS WERE 2142, 2147, 2149 - 2ND THUNDER 2308, 2312, 2315

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

http://www.glenallenweather.com/upload/glenallenclimate/log/2016/2016_Obs_Rules.pdf

Apr
2016

DAILY RECORDS FOR THE MONTH

The Glen Allen Station had Records or Record Ties in April 2016

1	The minimum temperature on the 1st was 64.1°F, a new 7 year warm daily minimum temperature record for the date - the old record was 47°F in 2012. The daily precipitation on the 1st was 0.35 inches a new 7 year HIGH daily precipitation record for the date - the old record was 0.03 inches in 2011.
2	The daily precipitation on the 2nd was 0.12 inches and EQUALED the 7 year HIGH daily precipitation record for the date - the old record was set in 2009.
3	
4	
5	The maximum temperature on the 5th was 56.5°F, a new 7 year cold daily maximum temperature record for the date - the old record was 66°F in 2013. The minimum temperature on the 5th was 31.3°F a new 7 year LOW daily minimum temperature record for the date - the old record was 31.9°F in 2015.
6	The minimum temperature on the 6th was 26.5°F a new 7 year LOW daily minimum temperature record for the date - the old record was 32°F in 2011.
7	
8	
9	The maximum temperature on the 9th was 52.4°F, a new 7 year cold daily maximum temperature record for the date - the old record was 54°F in 2011. The daily greatest snow on the 9th was trace and is a new 7 year daily greatest snow record for the date - the old record had no snow for the date. The minimum temperature on the 9th was 33.1°F a new 7 year LOW daily minimum temperature record for the date - the old record was 36°F in 2009.
10	The minimum temperature on the 10th was 25.2°F a new 7 year LOW daily minimum temperature record for the date - the old record was 37°F in 2010.
*	The minimum temperature of was 25.2°F was the lowest minimum temperature ever recorded at this station in April the previous April record was 26.4°F in 2013. The maximum temperature on the 10th was 56.3°F, a new 7 year cold daily maximum temperature record for the date - the old record was 68°F in 2010.
11	
12	
13	
14	The minimum temperature on the 14th was 35.8°F a new 7 year LOW daily minimum temperature record for the date - the old record was 40°F in 2011.
15	The minimum temperature on the 15th was 35.6°F a new 7 year LOW daily minimum temperature record for the date - the old record was 38°F in 2014 and 2010.
16	The daily temperature range on the 16th was 36.9°F a new 7 year HIGH daily temperature range record for the date - the old record was 33°F in 2010.
17	The daily temperature range on the 17th was 38.5°F a new 7 year HIGH daily temperature range record for the date - the old record was 36°F in 2009.
18	The maximum temperature on the 18th was 87°F, a new 7 year daily HIGH maximum temperature record for the date - the old record was 81.3°F in 2015.
*	The high temperature yesterday of 87.0°F was the highest maximum temperature since September 9, 2015 when the maximum temperature was 93.5°F. The daily temperature range on the 18th was 43.5°F a new 7 year HIGH daily temperature range record for the date - the old record was 35°F in 2009.
19	The maximum temperature on the 19th was 87.2°F, a new 7 year daily HIGH maximum temperature record for the date - the old record was 81°F in 2013 and 2011. The daily temperature range on the 19th was 37.7°F a new 7 year HIGH daily temperature range record for the date - the old record was 29°F in 2010.
20	
21	
22	The minimum temperature on the 22nd was 62.5°F, a new 7 year warm daily minimum temperature record for the date - the old record was 49°F in 2014 and 2010.
23	The minimum temperature on the 23rd was 54.6°F, a new 7 year warm daily minimum temperature record for the date - the old record was 47°F in 2014 and 2013.
24	
25*	The high temperature on the 25th was 88.5°F which was the highest maximum temperature since September 9, 2015 when the maximum temperature was 93.5°F.
27	The daily precipitation on the 27th was 0.04 inches a new 7 year HIGH daily precipitation record for the date - the old record was 0.02 inches in 2011. The daily temperature range on the 27th was 15°F, a new 7 year LOW daily temperature range record for the date - the old record was 17°F in 2011.
28	The daily temperature range on the 28th was 6.4°F, a new 7 year LOW daily temperature range record for the date - the old record was 11°F in 2014.
29	
30	The daily temperature range on the 30th was 8.5°F, a new 7 year LOW daily temperature range record for the date - the old record was 9°F in 2013. The maximum temperature on the 30th was 61.4°F, a new 7 year cold daily maximum temperature record for the date - the old record was 63°F in 2009.