



Jan 2019		2019		West Henrico Co. - Glen Allen Weather Center 37.6537° N. 77.5693° W. - Koontz															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
Jan 2019	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	
Jan-01	Tue	68.0	12:28	43.8	23:59	24.2	55.9	5.0	48	2	2								
Jan-02	Wed	48.8	15:12	38.2	6:14	10.6	43.5	-12.4	49	2	2	0.01	0.01	T			1818	2010	
Jan-03	Thu	52.5	11:40	38.2	22:04	14.3	45.4	1.9	48	2	2	0.11	0.05	0.01			0001	0410	
Jan-04	Fri	48.9	12:22	39.6	1:36	9.3	44.3	-1.1	48	2	2	0.11	0.07	0.01			1200	1440	
Jan-05	Sat	59.0	15:06	42.7	23:47	16.3	50.9	6.6	48	2	0	0.05	0.02	0.01			0100	0235	
Jan-06	Sun	64.1	12:17	39.9	1:36	24.2	52.0	1.2	48	0	1								
Jan-07	Mon	44.4	12:48	35.8	5:06	8.6	40.1	-11.9	48	2	2								
Jan-08	Tue	62.2	15:11	41.6	0:17	20.6	51.9	11.8	47	2	1	0.02	0.02	0.01			0045	0125	
Jan-09	Wed	55.6	0:35	33.7	23:57	21.9	44.7	-7.3	48	1	2								
Jan-10	Thu	40.4	12:58	23.9	23:59	16.5	32.2	-12.5	47	0	0								
Jan-11	Fri	40.6	14:50	18.4	6:57	22.2	29.5	-2.7	44	0	0								
Jan-12	Sat	37.3	13:03	27.1	0:01	10.2	32.2	2.7	42	2	2	0.07	0.03	0.01	1.0	T	1610	1915	
Jan-13	Sun	32.5	12:43	29.2	23:56	3.3	30.9	-1.4	42	2	2	1.17	0.19	0.06	2.0	1.5	0001	2105	
Jan-14	Mon	36.4	13:45	27.2	6:24	9.2	31.8	0.9	42	2	0					2.5			
Jan-15	Tue	43.4	14:37	25.3	6:13	18.1	34.4	2.6	42	2	0					1.0			
Jan-16	Wed	46.8	14:02	23.9	7:16	22.9	35.4	1.0	41	0	0					T			
Jan-17	Thu	40.8	15:19	30.0	0:01	10.8	35.4	0.1	40	2	2	T	T	T		T	2055	2225	
Jan-18	Fri	49.8	14:37	32.7	7:11	17.1	41.3	5.9	41	2	0	T	T	T		T	0225	0230	
Jan-19	Sat	48.2	21:29	38.7	5:56	9.5	43.5	2.2	42	2	2	0.02	0.01	0.01			1445	1715	
Jan-20	Sun	58.1	6:57	24.2	23:58	33.9	41.2	-2.3	43	2	0	0.29	0.19	0.02			0001	0435	
Jan-21	Mon	28.9	14:19	14.5	7:12	14.4	21.7	-19.5	43	0	0								
Jan-22	Tue	37.0	14:53	10.7	7:21	26.3	23.9	2.2	40	0	0								
Jan-23	Wed	60.3	23:50	30.5	0:01	29.8	45.4	21.6	39	2	2								
Jan-24	Thu	62.3	11:06	32.1	23:57	30.2	47.2	1.8	41	2	1	0.88	0.41	0.16			0050	1310	
Jan-25	Fri	47.4	14:02	24.8	23:46	22.6	36.1	-11.1	44	0	0								
Jan-26	Sat	47.8	14:40	20.5	7:08	27.3	34.2	-2.0	42	0	1								
Jan-27	Sun	53.3	14:00	24.0	3:47	29.3	38.7	4.5	41	0	2								
Jan-28	Mon	43.9	14:54	30.4	20:48	13.5	37.2	-1.5	41	2	1								
Jan-29	Tue	46.4	13:36	29.3	23:34	17.1	37.9	0.7	41	2	2	0.21	0.16	0.02			1050	1125	
Jan-30	Wed	41.8	13:46	17.2	23:57	24.6	29.5	-8.4	41	0	1								
Jan-31	Thu	31.7	14:47	11.1	7:10	20.6	21.4	-8.1	39	0	0								
TOTAL NUMBER		1479		899		579.4	1188.9	-29.5	1350	39	32	2.94	1.16	0.32	3.0	5.0	Column 26 - 27		
AVERAGE		31	31	31	31	31	31	31	31	31	31	11	11	10	2	3	72.0	Percent	
NORMALS		47.70	13:44	29.01	11:54	18.69	38.35		43.55	1.26	1.03	Ave. Tot.	Ave. Max	Ave. Max	Ave. Tot.	Ave. Days	65.4	Percent	
DEPARTURES		47.05		27.14		19.91	37.09		41.75	1.11	1.15	3.34	0.36	0.08	5.5	3.2	6.7	Percent	
MaxTemps. >= 70°F		68.0	Ave.HighMax	43.8	Ave.HighMin	33.9	55.9	21.6	49	Whole Day	Day	1.17	0.41	0.16	2.0	2.5	Precip	24 Hr.	
2019	0	Jan-01	68.0	Jan-01	46.8	Jan-20	Jan-01	Jan-23	Jan-02	Ave. 1.15	1.15	Jan-13	Jan-24	Jan-24	Jan-13	Jan-14	Amount	1.23	
Ave.	0.8		Dep.		Dep.					Normal 1.13							Date	Jan 12	
Departure	-0.8		0.0		-3.0					Depart. 0.01							Date	Jan 13	
MinTemps. <= 32°F		28.9	Ave.LowMax	10.7	Ave.LowMin	3.3	21.4	-19.5	39	SKY	AM	PM	≥ 0.10 INCHES		≥ 1.00 INCHES		≥ 2.00 INCHES		
2019	20	Jan-21	26.1	Jan-22	7.5	Jan-13	Jan-31	Jan-21	Jan-23	CLEAR	11	12	6 DAYS		1 DAYS		0 DAYS		
Ave.	21.4		Dep.		Dep.				Jan-31	PT. CLO.	1	6	HOTTEST	55.9	Highest	Lowest	COOLEST	21.4	
Departure	-1.4		2.8		3.2					CLO.	19	13	DAY	Jan-01	Mean	Mean	DAY	Jan-31	
Days Max. <=32°F	2	MAX.				≥80	≥75	≥70	≥65	≥60	≥55	≥50	≥45	≥40	≥35	≥30	≥25	≥20	
Days Max. >=90°F	0	DAYS				0	0	0	1	5	8	11	18	25	28	30	31	31	

20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38

Jan 2019	2nd PERIOD		WIND			REL. HUMIDITY		BAROMETRIC PRESSURE											
	START	END	RUN	MAX.	TIME	MAX.	MIN.	MAX.	MIN.	AVE.	CHANGE	GLAZE	SLEET	SNOW	FOG	DEW	FROST		
Jan-01			129.6	29	3:18	99	55	30.19	29.79	29.99	-0.10						3		
Jan-02	2130	2200	41.6	13	17:07	95	70	30.34	30.03	30.19	0.20						3		
Jan-03	0520	0910	45.2	16	4:08	96	55	30.08	29.92	30.00	-0.19						P		
Jan-04	1655	2055	52.8	25	19:05	98	87	30.08	29.59	29.84	-0.16						4		
Jan-05	0400	0415	69.7	21	13:08	99	59	29.89	29.47	29.68	-0.16				2		P		
Jan-06			68.2	13	12:09	86	40	30.32	29.89	30.11	0.43						N		
Jan-07			83.8	14	3:57	82	56	30.49	30.21	30.35	0.25						N		
Jan-08	0150	0215	113.7	21	21:52	89	69	30.23	29.67	29.95	-0.40						P		
Jan-09			111.1	22	17:05	88	41	29.94	29.72	29.83	-0.12						P		
Jan-10			103.4	21	13:41	71	41	30.21	29.94	30.08	0.25						N		
Jan-11			39.2	13	10:26	86	40	30.41	30.20	30.31	0.23						2		
Jan-12	2037	2400	34.9	10	11:03	94	57	30.55	30.41	30.48	0.18			2			N		
Jan-13			85.0	19	0:00	96	93	30.40	30.16	30.28	-0.20	2	1	2			P		
Jan-14			35.0	18	0:00	96	79	30.30	30.20	30.25	-0.03						2		
Jan-15			14.6	10	14:55	97	70	30.27	30.15	30.21	-0.04						2		
Jan-16			45.2	11	12:15	97	59	30.32	30.10	30.21	0.00						4		
Jan-17			38.1	12	11:10	93	66	30.38	30.14	30.26	0.05						2		
Jan-18			42.9	10	8:41	95	72	30.20	30.05	30.13	-0.13						3		
Jan-19	1850	2020	80.4	20	18:44	95	85	30.20	29.64	29.92	-0.20						N		
Jan-20			149.2	27	4:00	98	47	30.03	29.29	29.66	-0.26						P		
Jan-21			107.8	22	3:43	56	26	30.61	30.03	30.32	0.66						N		
Jan-22			54.8	12	22:27	81	28	30.77	30.57	30.67	0.35						2		
Jan-23			144.0	23	13:34	86	44	30.57	29.85	30.21	-0.46						N		
Jan-24			131.5	26	6:23	97	63	29.92	29.39	29.66	-0.56						P		
Jan-25			50.2	18	12:38	95	38	30.23	29.92	30.08	0.42						5		
Jan-26			32.9	14	14:42	92	33	30.26	30.15	30.21	0.13						4		
Jan-27			71.6	19	14:59	90	42	30.18	29.98	30.08	-0.13						4		
Jan-28			78.8	16	5:06	71	38	30.11	29.97	30.04	-0.04						N		
Jan-29	1250	1940	71.1	18	16:10	95	63	30.01	29.75	29.88	-0.16						N		
Jan-30			128.7	32	14:09	95	34	30.30	29.92	30.11	0.23						1		
Jan-31			51.2	14	14:14	74	35	30.49	30.31	30.40	0.29						N		
TOTAL NUMBER	Mar. Wind Run		2306.2	559	31	2782	1685	938.28	928.41	933.35	COUNT	1	1	2	1	0	4	10	
	AVERAGE		31	31	31	31	31	31	31	31	31	NORMAL	1.1	1.1	4.3	3.3	0.5	3.3	10.8
NORMALS		Total	2306.2	74.39	18.03	11:26	89.74	54.35	30.27	29.95	30.11	DEPART.	-0.1	-0.1	-2.3	-2.3	-0.5	0.7	-0.8
DEPARTURES		Miles	1877.4	60.56	18.87		85.38	44.79	30.23	29.95	30.09	Rating ▶	2	1	4	2	0	13	28
		Miles	428.8	13.83	-0.84		4.36	9.57	0.04	0.00	0.02	Intensity	GLAZE	SLEET	SNOW	FOG		Dew	Frost
MAXIMUM DATES		Dates	149.2	32	W	99	93	30.77	30.57	30.67	0.66	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.						
		1	Jan-20	Jan-30	14:09	Jan-01	Jan-13	Jan-22	Jan-22	Jan-22	Jan-21								
		2			Wind Ave. Max.														
		3																	
Min. Temps. >= 70°F		Dates	14.6	10	35.4	56	26	29.89	29.29	29.66	-0.56								
Ave. 0.0		1	Jan-15	Jan-12	Dep.	Jan-21	Jan-21	Jan-05	Jan-20	Jan-24	Jan-24								
Departure 0.0		2																	
Days Min. <=32 °F		20	MIN.	≤ 75	≤ 70	≤ 65	≤ 60	≤ 55	≤ 50	≤ 45	≤ 40	≤ 35	≤ 30	≤ 25	≤ 20	≤ 15	≤ 10	≤ 5	
Days Min >=70°F		0	DAYS	31	31	31	31	31	31	31	28	22	19	12	6	3	0	0	

Jan  
2019

## REMARKS FOR THE MONTH

January - 2019

Jan-01	FOR A CLOUDY JAN. DAY IT WAS VERY WARM AND PLEASANT
Jan-02	ANOTHER CLOUDY DAY BUT NO RAIN UNTIL AFTER DARK-3RD PD. OF RAIN 2240-2400
Jan-03	VERY LIGHT RAIN TO 0915 AND THEN CLOUDY WITH ALTOSTRATUS BUT STILL ABOVE AVERAGE TEMPS.
Jan-04	DECK STILL WET FROM RAIN BUT VINYL SIDING WET FROM DEW-VERY CALM NIGHT-RAIN 3RD PD. 2305-2400
Jan-05	3RD PD. OF SPRINKLES 0920-1130-RAINBOW SEEN AT 0956 THEN CLEAR IN PM AFTER 1330
Jan-06	NIGHT BREEZE PREVENTED DEW-CLEAR AM BUT SOME CIRROSTRATUS & ALTOSTRATUS CAME IN AT 1300-COLD FRONT PASSED AT 1700
Jan-07	CLOUDS PREVENTED DEW APPROX. 20°F COLDER ON MAX. TEMP. AND CLOUDY-SPRINGLIKE YESTERDAY AND WINTERLIKE TODAY
Jan-08	VERY LIGHT SPRINKLES JUST AFTER MIDNIGHT-ALTOCUMULUS TO 1430 THEN CLEAR-PM EST. 45% CLO.-3RD PD. OF SHOWERS WITH CF PASSAGE 2245-2340 BUT ONLY GAVE 0.02 RAIN
Jan-09	CLEAR UNTIL 1030 WHEN ALTOCUMULUS CAME IN THAT BECAME STRATOCUMULUS IN PM BUT THEN CLEARING AT SUNSET
Jan-10	CLEAR SUNNY DAY BUT COLD WITH WIND-MIN. WIND CHILL 15.5°F AT 0622
Jan-11	COLDEST SINCE FEB. 3, 2018 WHEN IT WAS 12.5°F-VERY CLEAR DAY WITH LOW DEW POINT OF 13.7°F AT 0301
Jan-12	NO SUN DARK GLOOMY DAY WITH SNOW STARTING AT 1610 AND 1 INCH BY MIDNIGHT
Jan-13	ANEMOMETER FROZE AT 0800-0.2 INCHES OF GLAZE AND ABOUT 0.2 INCHES OF SLEET MIXED WITH SNOW
Jan-14	ANEMOMETER STILL FROZEN - EST. WIND RUN FOR YESTERDAY GIVEN AS ANEMOMETER IS FROZEN-CLOUDS CLEARED AT 1330-VERY COLD DAY
Jan-15	WIND RUN EST. ON 14TH NOT ZERO AS IT WAS FROZEN-ANEMOMETER THAWED AT 0950-CLOUDY AM SUNNY PM - MUCH MELTING OF SNOW
Jan-16	HEAVY FROST ON MIRROR-ONLY A FEW THIN CIRRUS IN PM-BACKYARD HAS MORE SNOW THAN THE COURT
Jan-17	CLOUDY ALL DAY NO SUN AND CHILLY-LIGHT RAIN EXPECTED TONIGHT
Jan-18	CLOUDS CLEARED AT NOON AND A VERY CLEAR AFTERNOON
Jan-19	CLOUDY NIGHT YIELDING NO DEW-STORM TO PASS TO OUR NW TONIGHT-WE ARE IN THE WARM SECTOR-3RD PD. PRECIP. 2325-2400
Jan-20	SKY CLEARED BET. 1300-1315-FULL LUNAR ECLIPSE NEAR MIDNIGHT BUT NOT SEEN BECAUSE OF CLOUDS
Jan-21	COLDEST AM SINCE FEB. 3, 2018 WHEN IT WAS 12.5°F & MIN. WIND CHILL OF -0.8°F-COLDEST LOW MAX. TEMP. SINCE JAN. 7, 2018 WHEN IT WAS 26°F
Jan-22	VERY HIGH PRESSURE - COLDEST SINCE JAN. 18, 2018 WHEN IT WAS 9.6°F-THIN CIRRUS AFTER 1500 & THICK AFTER 1600
Jan-23	REL. HUMIDITY 50% AT 0618-CLOUDY ALL DAY BUT WITH INCREASING TEMPS.-RAIN AFTER MIDNIGHT
Jan-24	STRONG COLD FRONT GIVING CLOUDY AM BUT A VARIABLE PM SKY WITH BREEZY CONDITIONS AND COLDER-COLD FRONT PASSED AROUND 1600
Jan-25	HEAVY FROST AND VERY CLEAR DAY-A EXTREMELY STRONG COLD FRONT PASSED THROUGH CHICAGO
Jan-26	AM MOSTLY CLEAR BUT PM HAD VERY THIN CIRRUS GIVING FILTERED SUNLIGHT
Jan-27	VERY THIN CIRRUS UNTIL 1100 BUT THICKER IN PM WITH ALTOSTRATUS BY SUNSET
Jan-28	CLOUDY AM BUT CLEARING AT 1415-1430 THEN CLEAR-CLOUDS EST. 30% IN PM-NIGHT BREEZE YIELDED NO DEW
Jan-29	CHICAGO COLDEST SINCE 1996-TEMP. AROUND 22 BELOW-COLD FRONT PASSED HERE AROUND 1600 BUT NO SNOW AS WAS IN FORECAST FOR ONE INCH OR LESS
Jan-30	FROZEN RAIN ON DECK EXTREMELY SLICK-CUMULUS CLOUDS CAME IN AT 1245 THEN CLEAR AGAIN AFTER 1530-LITTLE FROST LAST NIGHT SEEN ON MIRROR AND SNOWBOARD
Jan-31	2nd COLDEST DAY OF 2019 & NOT AS COLD AS FORECAST - VERY CLEAR AM WITH A LOW DEW POINT OF 0°F AT 0041- PM EST. 30% CLOUDY WITH A FEW CLOUDS AFTER 1530

DATE

EXTENSION OF LENGTHY DAILY REMARKS

The daily records for the month are listed on page # 4 and not found in the remarks.

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

[Rules for making Observations in 2019](#)

## DAILY RECORDS FOR THE MONTH

Jan

2019

The Glen Allen Station had 20 Records or Record Ties in January 2019 (Remarks about records in red)

1	The maximum temperature on the 1st was 68°F, a new 10-year daily HIGH maximum temperature record for the date - the old record was 65°F in 2012.
2	
3	
4	The daily temperature range on the 4th was 9.3°F, a new 10-year LOW daily temperature range record for the date - the old record was 15.5°F in 2016.
5	The daily temperature range on the 5th was 3.3°F, a new 10-year LOW daily temperature range record for the date - the old record was 11°F in 2009.
6	The minimum temperature on the 6th was 39.9°F, a new 10-year warm daily minimum temperature record for the date - the old record was 38°F in 2012.
7	
8	The maximum temperature on the 8th was 62.2°F, a new 10-year daily HIGH maximum temperature record for the date - the old record was 57°F in 2012. The minimum temperature on the 8th was 41.6°F, a new 10-year warm daily minimum temperature record for the date - the old record was 37.7°F in 2016.
9	
10	
11	
12	The daily greatest snow on the 12th was 1.0 inches, and is a new 10-year daily greatest snow record for the date - the old record was 0 inches.
13	The maximum temperature on the 13th was 32.5°F, a new 10-year cold daily maximum temperature record for the date - the old record was 37.4°F in 2016. The daily temperature range on the 13th was 3.3°F, a new 10-year LOW daily temperature range record for the date - the old record was 10°F in 2009. The daily precipitation on the 13th was 1.17 inches, a new 10-year HIGH daily precipitation record for the date - the old record was 0.02 inches in 2018. The daily greatest snow on the 13th was 2 inches, and is a new 10-year daily greatest snow record for the date - the old record was 0 inches.
14	
15	
16	
17	
18	
19	The minimum temperature on the 19th was 38.7°F, a new 10-year warm daily minimum temperature record for the date - the old record was 36°F in 2011 and 2010. The daily temperature range on the 19th was 9.5°F, a new 10-year LOW daily temperature range record for the date - the old record was 17°F in 2009.
20	The daily temperature range on the 20th was 33.8°F, a new 10-year HIGH daily temperature range record for the date - the old record was 31.4°F in 2015. The daily precipitation on the 20th was 0.29 inches, a new 10-year HIGH daily precipitation record for the date - the old record was 0.13 inches in 2012 and 2010.
21	The maximum temperature on the 21st was 28.9°F, a new 10-year cold daily maximum temperature record for the date - the old record was 35°F in 2012.
22	The minimum temperature on the 22nd was 10.7°F, a new 10-year LOW daily minimum temperature record for the date - the old record was 11°F in 2014.
23	
24	The daily temperature range on the 24th was 28.5°F, a new 10-year HIGH daily temperature range record for the date - the old record was 28°F in 2012 and 2010. The daily precipitation on the 24th was 0.88 inches, a new 10-year HIGH daily precipitation record for the date - the old record was 0.4 inches in 2015.
25	
26	
27	
28	
29	
30	
31	The maximum temperature on the 31st was 31.7°F, a new 10-year cold daily maximum temperature record for the date - the old record was 37°F in 2010.

# TEMPERATURE GRAPH FOR JANUARY

