

PAGE #1		Feb 2018		West Henrico Co. - Glen Allen Weather Center 37.65537° N. 77.5693° W. - Koontz																
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Feb 2018	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		
Feb-01	Thu	59.6	15:14	36.1	3:22	23.5	47.9	18.6	42	2	2									
Feb-02	Tue	53.1	0:09	17.2	23:59	35.9	35.2	-12.7	44	2	0	0.11	0.08	0.02				0005	0520	
Feb-03	Wed	38.5	14:54	12.5	6:52	26.0	25.5	-9.7	43	0	0									
Feb-04	Thu	35.2	15:09	30.8	3:59	4.4	33.0	7.5	41	2	2	0.75	0.34	0.05				0700	0725	
Feb-05	Fri	43.6	13:56	28.9	23:45	14.7	36.3	3.3	41	0	0									
Feb-06	Sat	56.7	14:56	27.7	7:28	29.0	42.2	6.0	41	2	2									
Feb-07	Sun	45.8	14:31	34.3	6:19	11.5	40.1	-2.2	41	2	2	0.17	0.06	0.01				0205	0330	
Feb-08	Mon	42.4	15:13	27.4	23:20	15.0	34.9	-5.2	42	0	0									
Feb-09	Tue	52.4	15:03	25.3	6:58	27.1	38.9	4.0	42	2	2									
Feb-10	Wed	53.5	22:25	34.7	3:02	18.8	44.1	5.3	42	2	2	1.06	0.40	0.12				0805	0810	
Feb-11	Thu	70.9	15:20	52.7	0:47	18.2	61.8	17.7	44	2	2	0.58	0.35	0.02				0001	0705	
Feb-12	Fri	66.8	0:01	34.4	22:32	32.4	50.6	-11.2	48	2	2	0.19	0.15	0.02				0150	0155	
Feb-13	Sat	39.6	14:44	33.3	3:01	6.3	36.5	-14.2	47	2	2	0.01	0.01	T				1018	1020	
Feb-14	Sun	61.2	15:29	36.4	7:11	24.8	48.8	12.4	46	2	2									
Feb-15	Mon	74.7	15:23	52.7	0:01	22.0	63.7	14.9	46	2	2	0.01	0.01	T				0050	0140	
Feb-16	Tue	66.9	0:03	42.2	23:59	24.7	54.6	-9.2	49	2	2	0.07	0.04	0.01				0830	1110	
Feb-17	Wed	43.0	12:45	31.5	7:15	11.5	37.3	-17.3	49	2	2	0.31	0.17	0.03				1350	1355	
Feb-18	Thu	56.0	15:14	31.1	6:56	24.9	43.6	6.3	47	1	0									
Feb-19	Fri	52.1	17:04	39.1	2:52	13.0	45.6	2.1	47	2	2	0.15	0.10	0.02				0508	0840	
Feb-20	Sat	78.0	14:40	51.5	0:01	26.5	64.8	19.2	47	1	0									
Feb-21	Sun	80.3	14:19	61.0	0:57	19.3	70.7	5.9	51	2	0									
Feb-22	Mon	67.7	12:06	46.0	23:51	21.7	56.9	-13.8	53	2	2	T	T	T				2312	2330	
Feb-23	Tue	51.0	21:05	41.3	6:28	9.7	46.2	-10.7	53	2	2	0.01	T	T				0135	0312	
Feb-24	Wed	72.9	14:59	47.4	1:43	25.5	60.2	14.0	52	2	2	0.03	0.03	0.01				1500	1505	
Feb-25	Thu	66.3	14:27	52.0	1:28	14.3	59.2	-1.0	53	2	2	T	T	T				1015	1025	
Feb-26	Fri	56.2	2:26	37.2	23:54	19.0	46.7	-12.5	53	2	2	0.06	0.03	0.01				0245	1500	
Feb-27	Sat	59.9	15:05	29.6	6:53	30.3	44.8	-2.0	52	0	0									
Feb-28	Sun	61.3	14:16	42.2	2:59	19.1	51.8	7.0	51	2	2									
TOTAL		1606		1037		569.1	1321.1	22.5	1307	46	40	3.51	1.77	0.32	0	0		Col.26-27		
NUMBER		28	28	28	28	28	28	28	28	28	28	14	13	11	0	0		DAILY AVE RH		
AVERAGE		57.34	13:14	37.02	8:59	20.33	47.18		46.68	1.64	1.43	Ave. Tot.	Ave. Max	Ave. Max	Ave. Tot.	Ave. Days		77.2	Percent	
NORMALS		51.53		29.74		21.79	40.64		42.12	1.13	1.17	2.62	0.37	0.09	4.7	4.0		61.0	Percent	
DEPARTURES		5.81		7.27		-1.47	6.54		4.56	0.52	0.26	0.89	0.03	0.03	-4.7	-4.0		16.3	Percent	
Max. Temps. >= 70°F		80.3		61.0		35.9	70.7	19.2	53	Whole Day		1.06	0.40	0.12	0	0.0		Precip	24 Hr.	
2018 5		Feb-21		Feb-21		Feb-02	Feb-21	Feb-20	Feb-22	AVE.	1.54	Feb-10	Feb-10	Feb-10				Amount	1.45	
Ave. 3.1									Feb-23	Normal	1.15							Date	Feb. 09	
Departure 1.9									Feb-25	Depart.	0.39							Date	Feb. 10	
Min. Temps. <= 32°F		35.2		12.5		4.4	25.5	-17.3	41	SKY		AM	PM	>= 0.10	INCHES	>= 1.00	INCHES	>= 2.00	INCHES	
2018 10		Feb-04		Feb-03		Feb-04	Feb-03	Feb-17	Feb-04	CLEAR	4	8		8	DAYS	1	DAYS	0	DAYS	
Ave. 18.7									Feb-05	PT. CLO.	2	0		HOTTEST	70.7	Highest	Lowest	COOLEST	25.5	
Departure -8.7									Feb-06	CLO.	22	0		DAY	2-21	Mean	Mean	DAY	2-03	
Days Max. <= 32 °F		0		MAX.	>=85	>=80	>=75	>=70	>=65	>=60	>=55	>=50	>=45	>=40	>=35	>=30	>=25	>=20		
Days Max. >=90°F		0		DAYS	0	1	2	5	9	13	16	21	22	26	28	28	28	28	28	

PAGE #2		Feb 2018		West Henrico Co. - Glen Allen Weather Center 37.65537° N. 77.5693° W. - Koontz																
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Feb 2018	2nd PERIOD		WIND			REL. HUMIDITY		BAROMETRIC PRESSURE				GLAZE	SLEET	SNOW	FOG	☩	DEW	FROST		
	START	END	RUN	MAX.	TIME	MAX.	MIN.	MAX.	MIN.	AVE.	CHANGE									
Feb-01			163.2	22	12:50	77	42	30.11	29.85	29.98	-0.28							N		
Feb-02			111.4	24	13:18	93	31	30.49	29.86	30.18	0.19							P		
Feb-03			65.6	20	16:14	85	30	30.57	30.37	30.47	0.30								3	
Feb-04	0815	1815	51.0	13	16:27	97	44	30.37	29.75	30.06	-0.41								N	
Feb-05			79.1	21	9:54	98	46	30.32	29.82	30.07	0.01								P	
Feb-06			81.7	15	10:32	86	43	30.47	30.27	30.37	0.30								3	
Feb-07	0455	0510	54.7	13	22:43	96	68	30.46	29.96	30.21	-0.16					2		P		
Feb-08			92.5	19	4:25	88	49	30.49	30.17	30.33	0.12								N	
Feb-09			61.6	17	13:35	95	51	30.56	30.35	30.46	0.13								5	
Feb-10	0850	1555	19.8	10	23:31	99	86	30.35	30.05	30.20	-0.25					3		1		
Feb-11	0900	0935	147.0	36	12:31	100	86	30.08	29.90	29.99	-0.21							P		
Feb-12	0230	0310	122.5	24	8:44	95	66	30.67	30.00	30.34	0.35							P		
Feb-13	1055	1210	65.9	12	0:38	80	61	30.81	30.59	30.70	0.36							N		
Feb-14			119.3	18	17:19	93	64	30.58	30.14	30.36	-0.34							N		
Feb-15	0230	0240	178.2	22	9:54	93	66	30.15	29.78	29.97	-0.40							P		
Feb-16	1205	2030	113.2	23	4:16	94	71	30.23	29.69	29.96	0.00							N		
Feb-17	1435	2100	66.6	18	8:52	97	62	30.38	30.06	30.22	0.26							1		
Feb-18			53.8	15	20:12	100	54	30.49	30.05	30.27	0.05					4			3	
Feb-19	1015	1120	47.4	13	0:36	97	79	30.51	30.36	30.44	0.17							P		
Feb-20			129.8	26	16:57	99	59	30.46	30.33	30.40	-0.04							4		
Feb-21			151.8	30	13:04	97	60	30.43	30.32	30.38	-0.02							4		
Feb-22			91.7	22	18:00	98	85	30.55	30.36	30.46	0.08							4		
Feb-23	0350	0405	48.5	14	1:47	98	90	30.57	30.27	30.42	-0.03							P		
Feb-24	1854	1905	89.5	18	10:51	98	70	30.28	30.04	30.16	-0.26							4		
Feb-25	1310	1315	32.9	16	10:15	100	84	30.08	29.92	30.00	-0.16					5		P		
Feb-26			31.6	10	6:32	99	76	30.34	30.02	30.18	0.18							P		
Feb-27			39.4	11	10:46	100	30	30.49	30.25	30.37	0.19								5	
Feb-28			134.3	24	12:16	74	45	30.25	29.93	30.09	-0.28							N		
TOTAL			2444.0	526		2626	1698	851.54	842.46	847.00	DAYS	0	0	0	4	0	6	5		
NUMBER			28	28	28	28	28	28	28	28	Normal	1.1	1.6	4.3	2.1	0.8	3.0	8.9		
AVERAGE			87.3	18.8	11:40	93.8	60.6	30.41	30.09	30.25	Depart.	-1.1	-1.6	-4.3	1.9	-0.8	3.0	-3.9		
NORMALS			1856.6	65.72	20.51	83.49	38.09	30.18	29.89	30.04	Rating ▶	0	0	0	14	0	18	19		
Departures			587.4	21.6	-1.7	10.3	22.5	0.23	0.19	0.21	Intensity	GLAZE	SLEET	SNOW	FOG	☩	Dew	Frost		
MAXIMUM DATES			178.2	36	South	100	90	30.81	30.59	30.70	0.36	GLAZE	SLEET	SNOW	FOG	☩	Dew	Frost		
1			Feb-15	Feb-11	12:31	Feb-11	Feb-23	Feb-13	Feb-13	Feb-13	Feb-13									
2						Feb-18														
3						Feb-25														
4						Feb-27														
MINIMUM DATES			19.8	10		74	30	30.08	29.69	29.96	-0.41	5. Very Heavy 4. Heavy-Unusual 3. Moderate - Ave. 2. Light - >= Ave. 1. Very Light - Slight - Trace M - Event with intensity missing								
1			Feb-10	Feb-10	Feb-26	Feb-28	Feb-03	Feb-11	Feb-11	Feb-16	Feb-04	≤ 35	≤ 30	≤ 25	≤ 20	≤ 15	≤ 10			
Days Min. <=32 °F			10	MIN. Days	≤ 75	≤ 70	≤ 65	≤ 60	≤ 55	≤ 50	≤ 45	≤ 40	≤ 35	≤ 30	≤ 25	≤ 20	≤ 15	≤ 10		
Days Min >=70 °F			0		28	28	28	27	27	23	21	18	14	7	3	2	1	0		

Feb  
2018

## REMARKS FOR THE MONTH

February - 2018

Feb-01	THICK CIRRUS AND CIRROSTRATUS COVERED SKY MOST OF DAY BUT SOLAR ENERGY PASSING THROUGH CLOUDS
Feb-02	COLD FRONT PASSED AT 0720-CLOUDY FROM SUNRISE TO 0900-THEN CLEAR REST OF DAY-COLD AND WINDY
Feb-03	VERY CLEAR SUNNY BUT COLD DAY AND BREEZY
Feb-04	COLD RAINY DAY AND WAS VERY CLOSE TO BECOMING A FREEZING RAIN
Feb-05	SCHOOLS OPENED 2 HOURS LATE DUE TO BLACK ICE-CLEAR AFTER 0800 THEN VERY CLEAR DAY
Feb-06	ONLY CLEAR PD. WAS 1110-NOON-BROKEN OVERCAST MUCH OF DAY AND MUCH WARMER
Feb-07	6 HOURS OF LIGHT RAIN DURING DAY-3RD PD. HEAVIEST RAIN FROM 0940-1500, 4TH PD. OF RAIN 1730-1855
Feb-08	FROZEN RAIN ON DECK-CLOUDS CLEARED AT 0820 THEN CLEAR WITH A COLD AM BREEZE BUT A CLEAR DAY
Feb-09	THERE WAS A THIN BUT NEARLY COMPLETE LAYER OF CIRROSTRATUS CLOUDS THAT COVERED MOST OF SKY BUT MODERATE SOLAR RADIATION THROUGH CLOUDS
Feb-10	CLOUDS PREVENTED ALL BUT A VERY LITTLE DEW-ALL DAY RAIN-MAX. RATE 1.06 INCHES PER HR. AT 1048-3RD PD. OF HEAVY RAIN 1950-2400
Feb-11	3RD PD. OF PRECIP. 1055-1240 & HIGH WINDS TO 36 MPH-HEAVY RAIN AT 1230
Feb-12	3RD PD. OF RAIN 0450-0500, 4TH PD OF RAIN 0630-1120, 5TH PD. OF RAIN 1320-1455
Feb-13	SOME FROZEN LIQUID ON DECK-3RD PD. OF PRECIP. 1300-1305, 4TH PD. 1425-1445, 5TH PD. 1630-1850-MOSTLY SPRINKLES AND DRIZZLE TODAY
Feb-14	MUCH WARMER TODAY WITH NO RAIN & FILTERED SUN THROUGH CIRROSTRATUS & CIRRUS-ALMOST CLEAR FROM 1430-1515-1ST DAFFODILS SEEN IN NEIGHBORHOOD ON S EXPOSURE
Feb-15	MOSTLY CLOUDY ALL DAY-AM ALMOST 100% - PM SOME BREAKS BUT STILL 75-80% CLOUDY
Feb-16	BREEZY NIGHT-NO DEW-SPRINKLES ON AND OFF 0830-1110-LIGHT RAIN 1205-2030
Feb-17	A LITTLE CONDENSATION ON SKY MIRROR THIS AM - 3RD PD. SPRINKLE 2340-2350
Feb-18	MODERATE TO HEAVY AM FOG-FOG CLEARED AT 0945 THEN VERY CLEAR EXCEPT FOR A FEW FAIR WEATHER CUMULUS AROUND NOON-AM EST. 30-35% CLOUDY
Feb-19	LIGHT AM RAIN ENDED BEFORE NOON BUT CLOUDY ALL DAY-COOL AIR POOLING EAST OF BLUE RIDGE
Feb-20	BEAUTIFUL SPRINGLIKE DAY-BREEZY AND WARM-AIRPORT HAD A HIGH OF 76 DEGREES F-FOG CLOUDS BROKE UP AT 1045-PM HAD ONLY FEW FAIR WEATHER CUMULUS
Feb-21	AIRPORT SET A NEW REC. MAX. OF 80 DEGREES F-OLD REC. WAS 75 DEGREES F IN 1930-AM CLOUDS DIDN'T CLEAR UNTIL 1145-PM HAD A FEW SCATTERED CUMULUS-1ST DAFFODILS
Feb-22	ANOTHER VERY WARM DAY FOR FEB.
Feb-23	VERY DAMP AND CHILLY DAY AFTER PAST 2 WARM DAYS-3RD PD. OF DRIZZLE AND LIGHT PRECIP. 0620-0700 & 3 MORE PDS. OF DRIZZLE-TIME NOT REC.
Feb-24	A LITTLE SUN IN AM AND A BEAUTIFUL SUNRISE BUT VERY CLOUDY AFTER 1045 & 3RD PD. OF VERY LIGHT RAIN 2035-2125
Feb-25	VERY HEAVY AM FOG-DARK AND GLOOMY WITH A LITTLE DRIZZLE IN PM-PM TOTALLY CLOUDY WITH ANOTHER PD. OF DRIZZLE
Feb-26	SPRINKLES OFF AND ON ALL DAY TO 1500 AND NO SUN AGAIN TODAY
Feb-27	EXTREMELY HEAVY FROST ACTUALLY TRIPPED RAIN GAUGE & REC. 0.01 INCH-CALM AM BUT A DEEP BLUE SKY & LOW REL. HUMIDITY IN PM-RH RANGE WAS FROM 100 TO 30
Feb-28	AS MUCH OF MONTH IT IS CLOUDY AGAIN ALL DAY AND FEB. GOES DOWN AS THE 2 <sup>ND</sup> CLOUDIEST MONTH AT THIS STATION IN PAST 9 YEARS

DATE

## EXTENSION OF LENGTHY DAILY REMARKS

Feb-21 BLOOMED IN OUR YARD TODAY-EXTREMELY WARM NIGHT LAST NIGHT-SLEPT WITH WINDOWS OPEN AND SOME PEOPLE TURNED ON A/C (STRANGE FOR FEB)

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

[www.glenallenweather.com/upload/glenallencclimate/loq/2016/2016\\_Obs\\_Rules.pdf](http://www.glenallenweather.com/upload/glenallencclimate/loq/2016/2016_Obs_Rules.pdf)

DAYS MISSING IN COLUMN 41 HAD NO RECORDS &amp; WERE DELETED TO ADD ROOM FOR ADDITIONAL RECORDS

Feb

2018

The Glen Allen Station had 25 Records or Record Ties in FEBRUARY 2018

1

2

The daily temperature range on the 2nd was 35.9°F, a new 9-year HIGH daily temperature range record for the date - the old record was 32.2°F in 2015.

3

The minimum temperature on the 3rd was 12.5°F, a new 9-year LOW daily minimum temperature record for the date - the old record was 18.9°F in 2015.

4

The daily temperature range on the 4th was 4.4°F, a new 9-year LOW daily temperature range record for the date - the old record was 10°F in 2011.

The daily precipitation on the 4th was 0.75 inches, a new 9-year HIGH daily precipitation record for the date - the old record was 0.07 inches in 2014.

5

6

7

The daily temperature range on the 7th was 11.5°F, a new 9-year LOW daily temperature range record for the date - the old record was 15°F in 2013.

The daily precipitation on the 7th was 0.17 inches, a new 9-year HIGH daily precipitation record for the date - the old record was 0.06 inches in 2013.

8

9

10

The daily precipitation on the 10th was 1.06 inches, a new 9-year HIGH daily precipitation record for the date - the old record was 0.43 inches in 2015.

11

The daily precipitation on the 11th was 0.16 inches, a new 9-year HIGH daily precipitation record for the date - the old record was 0.12 inches in 2012.

12

13

The daily temperature range on the 13th was 6.3°F, a new 9-year LOW daily temperature range record for the date - the old record was 8°F in 2014.

14

15

The minimum temperature on the 15th was 52.7°F, a new 9-year warm daily minimum temperature record for the date - the old record was 36°F in 2012.

The maximum temperature on the 15th was 74.7°F, a new 9-year daily HIGH maximum temperature record for the date - the old record was 64°F in 2013.

16

The maximum temperature on the 16th was 66.9°F, a new 9-year daily HIGH maximum temperature record for the date - the old record was 60°F in 2011.

The minimum temperature on the 16th was 42.2°F, a new 9-year warm daily minimum temperature record for the date - the old record was 38°F in 2012.

17

The daily precipitation on the 17th was 0.31 inches, a new 9-year HIGH daily precipitation record for the date - the old record was 0.22 inches in 2015.

The daily temperature range on the 17th was 11.5°F, a new 9-year LOW daily temperature range record for the date - the old record was 13°F in 2013.

18

19

The daily temperature range on the 19th was 13°F, and EQUALED the, 9-year LOW daily minimum temperature range record for the date - the old record was set in 2013.

20

The minimum temperature on the 20th was 51.5°F, a new 9-year warm daily minimum temperature record for the date - the old record was 44.9°F in 2016.

The maximum temperature on the 20th was 78.0°F, a new 9-year daily HIGH maximum temperature record for the date - the old record was 71.1°F in 2017.

21

The minimum temperature on the 21st was 61°F, a new 9-year warm daily minimum temperature record for the date - the old record was 46.1°F in 2016.

The maximum temperature on the 21st was 80.3°F, a new 9-year daily HIGH maximum temperature record for the date - the old record was 70°F in 2014.

The daily temperature range on the 21st was 19.3°F, a new 9-year LOW daily temperature range record for the date - the old record was 21°F in 2017.

22

The minimum temperature on the 22nd was 46°F, a new 9-year warm daily minimum temperature record for the date - the old record was 44.9°F in 2017.

The maximum temperature on the 22nd was 67.7°F, a new 9-year daily HIGH maximum temperature record for the date - the old record was 67°F in 2012.

23

24

25

The minimum temperature on the 25th was 52°F, a new 9-year warm daily minimum temperature record for the date - the old record was 47°F in 2017.

The daily temperature range on the 25th was 14.3°F, a new 9-year LOW daily temperature range record for the date - the old record was 15.9°F in 2016.

26

27

28

# TEMPERATURE GRAPH FOR FEBRUARY 2018

