

Glen Allen February 2018

February was the second warmest at Glen Allen and February 2017 was the warmest. In short, February was very warm with 14 of the 28 days with measurable rain, the cloudiest, dampest and windiest February on record. February's mean temperature was 47.2°F, a +6.5°F departure and the 5th warmest on record. The highest temperature for February was 80.3°F on the 21st and the lowest temperature this month was 12.5°F recorded on the 3rd. The warmest day was the 21st as the minimum was only 61.0°F, a new record high minimum for the month of February, and with a maximum of 80.3°F the daily mean was 70.7°F making it the warmest February day on record for Glen Allen by 4.4°F. There were only 10 days below freezing which was a new record; the previous record was 12 days in 2017.

The 3.51 inches of rain made it the 5th wettest Feb. with a + 0.89 inch departure when compared to the 9-year average. Even though it was only the 5th wettest, February had 14 days with measurable precipitation; the previous record was 13 in 2012. This month was also the cloudiest February on record. Only January of 2017 was cloudier than February of all the recorded months. This was the first year Glen Allen had no snowfall in February and last year was the second least with a trace making a negative 4.7-inch departure in snowfall. The average relative humidity was 77.2% which was a departure of 16.3% and broke the previous record by a full 11.3%. February was a VERY damp month.

The maximum wind gust was 36 mph from the south that occurred on Feb. 11th at 1231. The wind run for the month was 2444 miles a new record for February. The highest barometer recorded for the month was 30.81 inches, on the 13th and was the 2nd highest for Feb. The lowest was 29.69 inches on the 11th and 25th and was the highest minimum barometric pressure on record for February.

Winter Season December, January, February 2017-18											
Month	TEMPERATURE °F					PRECIPITATION Inches			SNOWFALL inches		
	Max.	Min.	Mean	9Yr. Ave.	Dep.	Actual	9 Yr. Ave.	Dep.	Actual	9 Yr. Ave.	Dep.
Dec.	48.9	29.5	39.2	39.6	-0.4	0.99	4.54	-3.55	5.3	5.2	0.1
JAN	47.4	24.1	35.8	37.2	-1.5	2.91	3.39	-0.48	4.2	5.7	-1.5
FEB	57.3	37.0	47.2	40.6	6.5	3.51	2.62	0.89	0	4.7	-4.7
SUM	153.6	90.7	122.2	117.4	4.7	7.41	10.54	-3.13	9.5	15.5	-6.0
AVE.	51.2	30.2	40.7	39.1	1.6	2.47	3.51	-1.04	3.2	5.2	-2.0

Glen Allen had its 4th warmest winter and the 3rd driest winter in the past 9 winters. Glen Allen had 7.41 inches of precipitation this winter which was a deficit of 3.13 inch for the winter season making this the driest winter since 2010-11 when 6.77 inches of precipitation was recorded.

Richmond International Airport

The Richmond Airport had 5 daily records for February. **Record High Maximums:** 2- Feb 21st 80°F new record; the old record was 75°F in 1930, Feb 22nd 75°F a new record; the old was 73 in 1985. **Record High Daily Mean:** 2 - Feb 20th 63.5°F new record; the old record was 63.0°F in 1939, Feb 21st 70.5°F a new record; the old record was 61.5°F in 1953. **Record High Mins:** 1 - Feb 21st 61°F new record; the old record was 54°F in 1953. The Airport had a mean temperature of 47.8°F making the month the 7th warmest February in the past 138 years.

The Airport's average maximum temperature of 58.6°F was the 4th highest since 1897. The maximum temperature this month was 80°F. Only 9 Februaries have had a higher temperature since 1897. The average minimum temperature of 37.1°F was the 2nd highest average minimum since 1897. The highest was 37.3 in 1909. The high minimum temperature of 61°F on the 21st was only 2°F of being the warmest night since 1897. Only 2008 with 63°F had a higher minimum temperature. The daily mean for the 21st was 70.5°F the 3rd warmest February day since 1880 except for February 2008 and 1891. This February had 7 days of ≥ 70°F; the record is ten set in 2017 and 1976.

The total precipitation for February was 2.04 inches making it the 33rd driest February since 1897 and February had a negative 3.4 inch snowfall departure.

The Airport didn't record even a trace of snow for Feb. 2017 and 2018. This was the first time that consecutive years had no snow since 1938 and 1939.

Month	TEMPERATURE °F					PRECIPITATION Inches			SNOWFALL inches		
	Max.	Min.	Mean	30 Yr. Ave.	Dep.	Actual	30 Yr. Ave.	Dep.	Actual	30 Yr. Ave.	Dep.
Dec.	49.06	30.24	39.65	41.0	-1.4	1.05	3.26	-2.21	3.1	2.1	1.0
JAN	47.00	24.45	35.73	37.9	-2.2	3.41	3.04	0.37	5.3	3.9	1.4
FEB	58.57	37.07	47.82	40.9	6.9	2.04	2.76	-0.72	0.0	3.4	-3.4
SUM	154.63	91.76	123.195	119.8	3.4	6.50	9.06	-2.56	8.4	9.4	-1.0
AVE.	51.5	30.6	41.1	39.9	1.1	2.17	3.02	-0.85	2.8	3.1	-0.3

Richmond had its 43rd warmest winter since 1880 and the 20th driest winter in the past 145 winters. The Airport had 6.50 inches of precipitation this winter which was a -2.56 inch deficit for the winter season making this the driest winter since 2008-09 when 6.30 inches of precipitation was recorded. It is interesting the NWS forecast for the winter was warmer and drier than average and the forecast was correct. But because of the cold in the first of January and the 14 days with rain in February most people would not think the NWS was correct!