

## Glen Allen February 2019

February's mean temperature was 43.7°F, a +2.4°F departure. The warmest day was on the 6<sup>th</sup> as the daily mean was 60.3°F. There were only 12 days below freezing a departure of -5.9 days; the average is 17.9 days. The 3<sup>rd</sup> to 8<sup>th</sup> and 13<sup>th</sup> to 16<sup>th</sup> were warm then near average temperatures from the 16<sup>th</sup> to the 28<sup>th</sup>.

The 5.42 inches of precipitation makes this February the wettest on record with a departure of 2.71 inches. The maximum 24-hour precipitation amount of 1.58 inches was the 2<sup>nd</sup> highest recorded for February. February had 13 days with measurable precipitation which tied for 2<sup>nd</sup> place. This month was also the 2<sup>nd</sup> cloudiest February on record; the record was set just last year. The average relative humidity was 71.2% the 2<sup>nd</sup> highest for February. The average temperature range was 20.2°F which was only 1.3°F from being the lowest on record for February.

The maximum wind gust during February was only 28 mph which was a new low reading for the month that occurred on February 13<sup>th</sup>, 24<sup>th</sup>, 25<sup>th</sup>. The average high wind for the day was 16.1 mph which was also a new low for February. The wind run for the month was 1848 miles the 4<sup>th</sup> lowest for February. The highest barometer recorded for the month was 30.76 inches, on the 9<sup>th</sup> which was the 3<sup>rd</sup> highest for Feb. The lowest was 29.54 inches on the 24<sup>th</sup> and was the 2<sup>nd</sup> highest minimum barometric pressure on record for February. Glen Allen had only 1.4 inches of snow in February a -2.8 inch departure.

Winter Season December, January, February 2018-19											
Month	TEMPERATURE °F					PRECIPITATION Inches			SNOWFALL inches		
	Max.	Min.	Mean	10Yr.Ave.	Dep.	Actual	10Yr.Ave.	Dep.	Actual	10Yr.Ave.	Dep.
Dec.	51.4	31.7	41.5	42.3	-0.8	4.51	4.19	0.32	12.0	3.8	8.2
JAN	47.7	29.0	38.4	37.1	1.3	2.94	3.34	-0.40	3.0	5.5	-2.5
FEB	53.8	33.6	43.7	41.3	2.4	5.42	2.71	2.71	1.4	4.2	-2.8
SUM	152.9	94.3	123.6	120.7	2.9	12.87	10.24	2.63	16.4	13.6	2.9
AVE.	51.0	31.4	41.2	40.2	1.0	4.29	3.41	0.88	5.5	4.5	0.9

Glen Allen had 12.87 inches of precipitation the 3<sup>rd</sup> wettest winter in the past 10 winters, a surplus of 3.16 inches. This was the wettest winter since 2015-16 when 14.53 inches of precipitation was recorded. Average is 9.71 inches. Temperature wise this winter was 1°F warmer than average. The warmest winter was 44.2°F in 2016-17 and the coldest winter was 2009-10 when the average temperature was 35.9°F.

## Richmond International Airport

The Richmond Airport had 1 daily record for February. The lowest daily temperature range on the 23<sup>rd</sup> was 3°F; the previous record was 4°F in 1920, 1969, 1994. Since 1897 only 5 times has the temperature range been less than 3°F in February.

The Airport's average maximum temperature of 54.2°F was a 2.9°F departure. The maximum temperature this month was 75°F on the 5<sup>th</sup>. The minimum temperature this month was 18°F on the 2<sup>nd</sup>. The average minimum temperature of 34.2°F was a departure of 3.7°F. February's mean temperature was 44.2°F a departure of 3.3°F. Only 13 times since 1897 has February been warmer and 20 times since 1880.

The total precipitation for February was 3.69 inches making it the 43<sup>rd</sup> wettest February since 1887 with a 0.93 inch departure. February had a negative 3.3 inch snowfall departure.

Winter Season December, January, February 2018-19											
Month	TEMPERATURE °F					PRECIP. Inches			SNOWFALL inches		
	Max.	Min.	Mean	30 Yr. Ave.	Dep.	Actual	30 Yr. Ave.	Dep.	Actual	30 Yr. Ave.	Dep.
Dec.	51.87	33.00	42.44	41.0	1.4	3.45	3.26	0.19	11.5	2.1	9.4
JAN	48.32	29.90	39.11	37.9	1.2	2.62	3.04	-0.42	1.5	3.9	-2.4
FEB	54.21	34.21	44.21	40.9	3.3	3.69	2.76	0.93	0.1	3.4	-3.3
SUM	154.40	97.11	125.76	119.8	6.0	9.76	9.06	0.7	13.1	9.4	3.7
AVE.	51.5	32.4	41.9	39.9	2.0	3.25	3.02	0.23	4.4	3.1	1.2

Richmond had its 57<sup>rd</sup> warmest winter since 1880 and the 60<sup>th</sup> wettest winter in the past 146 winters. The Airport had 9.76 inches of precipitation this winter which was a 0.70 inch surplus for the winter season making this the wettest winter since 2015-16 when 13.59 inches of precipitation was recorded. It is interesting how much less precipitation the Airport received than Springfield Park Station with 12.87 inches.

