

January 2018 Glen Allen

January was the coldest on record for the first 7 days with a mean temperature of 17.1 °F. This 7-day period was also the coldest ever first week of a new year in the 121 years of Richmond records. January 7th had the lowest temperature on record at Glen Allen. Glen Allen also had two days with 70°F temperatures; only January 2013 has had more. January had 21 days that were below freezing which is the average for Glen Allen. The average maximum temperature was 0.4°F colder than average and the minimum temperature was -3.3°F colder than average for January. The 58.4°F highest minimum was the second warmest minimum temperature on record for the month. The highest maximum of 73.2 on the 23rd was the second highest on record for January. January's monthly mean temp. was 35.78°F, a -1.5°F departure. This was only the 6th coldest on record for the month yet there were 7 days that the maximum temperature was 32°F or less. The minimum of -1.4°F on the 7th was the coldest ever recorded at Glen Allen. It was a surprise that January's departure was so little but the graph shows that after the 1st very cold week the rest of the month was mostly above average except for the 13th to the 18th.

The highest barometric pressure was 30.73 inches on the 7th which was the 3rd highest pressure ever recorded.

The precipitation for January was 2.91 inches, a departure of -0.48 inches and the 3rd lowest for January with 11 days with measurable precipitation which is average. The snowfall for January was 4.2 inches which was a negative 1.5-inch departure. The single day total of 2.2 inches on the 17th was the largest for the month. The maximum wind gust for the month was 31 mph on the 23rd.

The Richmond International Airport

The Airport tied one and broke 5 daily records for January that are recognized by Wakefield. The -3°F on January 7th was the lowest temperature at the Airport since 1985 when -6 °F was recorded. Only 4 Januarys have had a lower minimum temperature in the past 121 years. (1935, 1940, 1942, 1985) The daily mean for the 7th was 10°F and only seven Januarys have had a lower daily means. Only 20 Januarys of the past 121 have had a low maximum than the 23°F on the 5th. On the 12th the overnight low was a warm 59°F. Only January 1998 in the past 121 years has had warmer minimum which was 62°F. Only 7 years of the past 121 had a higher average temperature range of 22.6°F and this is the highest average since 1976. The mean temperature was 35.7 °F with a departure of -2.2°F making it the 41st coldest mean in 121 years. The average minimum temperature was 26.2°F which was the 42nd coldest minimum temperature on record. From January 1st to January 7th, the temperature stayed below freezing except for the 3rd when it was 34°F giving a mean of 17.8°F for the 7-day period. This was the coldest first week to start a new year in the past 121 years for Richmond. The next closest record was January 1918.

The 3.41 inches of precipitation was a departure of +0.37 inches making it the 52nd highest January rainfall amount since 1887. The 5.3 inches of snow recorded in January was the 39th largest snow in January. January had 4 days with measurable snow and 6 days with measurable snow on the ground. The Airport had 10 daily records for January of which 6 are recognized by Wakefield.

Jan 28 th	25°F new record low maximum - the old record 27°F in 1969, 1959, 1919, 1910
Jan 02 nd	10°F tied the old record low minimum set in 1928.
Jan 06 th	2°F new record low minimum - the old record 7°F in 1912
Jan 07 th	-3°F new record low minimum - the old record 10°F in 2014
Jan 12 th	59°F new record high minimum- the old record 52°F in 1963
Jan 12 th	64.5°F new record high daily mean- the old record 60.0°F in 1963
Jan 05 th	18.5°F tied the record low daily mean set in 1981.
Jan 06 th	12.5°F new record low daily mean - the old record 13.0°F in 1912
Jan 07 th	10.0°F new record low daily mean - the old record 16.0°F in 1914
Jan 04 th	2.4 inches new record high daily snowfall- the old record 1.6 inches in 1980