

Louisville, Kentucky

Wind

Strongest measured wind gust at Louisville International Airport: 84 mph from the southwest at 4:37pm EST on April 3, 1974

Strongest known measured wind gust at Louisville Bowman Airport: 86 mph on July 6, 1966, according to *Storm Data* (Haven't been able to find the actual observation confirming this...SDF reported 61 mph at 3:32pm LST and *Storm Data* reported significant damage throughout the city. SDF obs sheet mentions a possible tornado 3 miles west of SDF)

Other strong non-tornadic winds in Louisville:

- July 8, 2001: A section of steel roof was peeled off a hangar at SDF at 9:10pm EDT. In *Storm Data* the wind speed was listed as 92 mph. Peak gust from ASOS that day, according to the CLISDF on the mid shift that night, was 44 mph, which agrees with the PKWND remark on the 9:56pm EDT observation
- October 24, 2001: Twenty power poles snapped in Okolona, one building had a partial roof collapse at 7:45pm EDT. *Storm Data* lists a wind speed of 104 mph. Peak gust from SDF ASOS that day, according to the CLISDF on the mid shift that night, was 46 mph, which agrees with the PKWND remark on the 7:56pm EDT observation

Average wind 1991 – 2020: 7.8 mph from the SSW

Month	Average Wind Speed (mph)	Most Frequent Direction
January	9.0	WNW
February	8.9	WNW
March	9.0	WNW
April	9.1	SSW
May	7.8	SSW
June	7.2	SW
July	6.6	SSW
August	6.2	SW
September	6.3	N
October	7.0	SE
November	7.9	S
December	8.1	WNW

Source: MRCC Cli-MATE wind rose

Clouds

In an average year, between sunrise and sunset there are 94 clear days, 103 partly cloudy days, and 168 cloudy days. December is our cloudiest month and August is our clearest month.

Barometric Pressure (Sea Level)

Period of record: April 1, 1873 to present, except September 1881, August 1882, April 1883, November 1883, and January 1965 through December 1972

Highest: 30.98" February 12, 1981...December 21, 1924...and January 6, 1924

Lowest: 28.85" at 3:14pm EST March 3, 2023. The only other times Louisville dipped below 29" were 28.93" February 28, 1902 and 28.98" February 10, 1960.

Month	Average
January	30.14"
February	30.11"
March	30.06"
April	29.98"
May	29.98"
June	29.97"
July	30.00"
August	30.02"
September	30.04"
October	30.09"
November	30.11"
December	30.14"
ANNUAL	30.05"