

Comparison of 1971-2000 to 1981-2010 Seasonal Normals

The 1981-2010 normals were calculated using different methods than the 1971-2000 normals. As such, the two databases should not be directly compared. However, the National Climatic Data Center, which is responsible for formulating U.S. normals, re-calculated the 1981-2010 normals in a separate database using the 1971-2000 methods so that the two normals packages could be compared “apples to apples.”

In the tables below, the differences between the old and new normals are shown. The values show the increase or decrease from the old normals to the new normals. So, for example, the average winter temperature at Bowling Green increased (got warmer) by 0.9° from the old normals to the new normals. For another example, average summer precipitation at Louisville decreased (got drier) from the old normals to the new normals.

Table of Contents

Seasonal Average Temperature	Page 2
Seasonal Average Maximum Temperature	Page 2
Seasonal Average Minimum Temperature	Page 2
Seasonal Number of Days with Temperatures at or Above 90°	Page 2
Seasonal Number of Days with High Temperatures at or below 32°	Page 2
Seasonal Number of Days with Low Temperatures at or below 32°	Page 3
Seasonal Number of Days with Low Temperatures at or below 0°	Page 3
Average Seasonal Precipitation	Page 3
Average Seasonal Number of Days with Measurable Precipitation	Page 3
Average Seasonal Number of Days with at Least 0.10” of Precipitation	Page 3
Average Seasonal Number of Days with at Least 0.50” of Precipitation	Page 4
Average Seasonal Number of Days with at Least 1” of Precipitation	Page 4
Average Seasonal Snowfall	Page 4
Average Seasonal Number of Days with Measurable Snow	Page 4
Average Seasonal Number of Days with at Least 1” of Snow	Page 4
Average Seasonal Heating Degree Days	Page 5
Average Seasonal Cooling Degree Days	Page 5

Seasonal Average Temperature:

Month	Bowling Green	Lexington	Louisville
DJF	0.9°	0.4°	0.5°
MAM	0.6°	0.4°	0.5°
JJA	0.4°	0.4°	0.5°
SON	0.6°	0.4°	0.5°

Seasonal Average Maximum Temperature:

Month	Bowling Green	Lexington	Louisville
DJF	0.8°	0.2°	0.3°
MAM	0.6°	0.3°	0.4°
JJA	0.3°	0.5°	0.4°
SON	0.7°	0.5°	0.5°

Seasonal Average Minimum Temperature:

Month	Bowling Green	Lexington	Louisville
DJF	1°	0.6°	0.7°
MAM	0.7°	0.6°	0.8°
JJA	0.6°	0.4°	0.6°
SON	0.4°	0.3°	0.4°

Seasonal Number of Days with Temperatures at or Above 90°:

Month	Bowling Green	Lexington	Louisville
DJF	0	0	0
MAM	-0.3	-0.1	0.2
JJA	0.7	1.8	1.8
SON	0.1	0.6	0.4

Seasonal Number of Days with High Temperatures at or below 32°:

Month	Bowling Green	Lexington	Louisville
DJF	-2	-1.2	-1.7
MAM	-0.1	-0.2	-0.1
JJA	0	0	0
SON	-0.1	0	0

Seasonal Number of Days with Low Temperatures at or below 32°:

Month	Bowling Green	Lexington	Louisville
DJF	-2.2	-0.1	-1.2
MAM	-0.9	-0.2	-0.5
JJA	0	0	0
SON	-0.9	-1.1	-0.6

Seasonal Number of Days with Low Temperatures at or below 0°:

Month	Bowling Green	Lexington	Louisville
DJF	-0.4	-0.6	-0.3
MAM	0	-0.1	0
JJA	0	0	0
SON	0	0	0

Average Seasonal Precipitation:

Month	Bowling Green	Lexington	Louisville
DJF	-1.09	-0.33	0.03
MAM	-0.29	0.07	0.24
JJA	-0.59	-0.82	-0.24
SON	-0.06	0.31	0.21

Average Seasonal Number of Days with Measurable Precipitation:

Month	Bowling Green	Lexington	Louisville
DJF	-1.6	-0.1	-0.8
MAM	-0.9	-0.1	-0.6
JJA	0.3	0	-0.3
SON	-0.6	-0.8	-1.1

Average Seasonal Number of Days with at Least 0.10" of Precipitation:

Month	Bowling Green	Lexington	Louisville
DJF	-0.7	0.1	0.2
MAM	-1.2	-0.8	-0.9
JJA	0.2	-0.5	0.1
SON	-0.8	-0.1	-1.1

Average Seasonal Number of Days with at Least 0.50" of Precipitation:

Month	Bowling Green	Lexington	Louisville
DJF	-0.1	0.1	0.2
MAM	-0.1	-0.5	0
JJA	-0.1	-0.4	-0.2
SON	-0.1	0.2	0

Average Seasonal Number of Days with at Least 1" of Precipitation:

Month	Bowling Green	Lexington	Louisville
DJF	-0.3	-0.2	-0.1
MAM	0.3	0.3	0.2
JJA	-0.1	-0.3	0.2
SON	-0.1	0.1	0.2

Average Seasonal Snowfall:

Month	Bowling Green	Lexington	Louisville
DJF	-1.3	-1	0
MAM	0	-0.7	-0.8
JJA	0	0	0
SON	-0.1	-0.2	-0.5

Average Seasonal Number of Days with Measurable Snow:

Month	Bowling Green	Lexington	Louisville
DJF	0	-0.5	-0.6
MAM	0.1	-0.8	-0.8
JJA	0	0	0
SON	0	-0.4	-0.2

Average Seasonal Number of Days with at Least 1" of Snow:

Month	Bowling Green	Lexington	Louisville
DJF	-0.9	-0.2	0
MAM	0.1	-0.3	-0.3
JJA	0	0	0
SON	-0.1	-0.1	-0.2

Average Seasonal Heating Degree Days:

Month	Bowling Green	Lexington	Louisville
DJF	-77	-35	-39
MAM	-37	-25	-29
JJA	-2	-5	-2
SON	-48	-32	-33

Average Seasonal Cooling Degree Days:

Month	Bowling Green	Lexington	Louisville
DJF	0	0	0
MAM	22	14	21
JJA	37	36	44
SON	8	4	13