Global City Weather Trends

for

November 2017

The accompanying graphs represent weather statistics for approximately 1500 randomly selected cities across the globe.

As always, what is most important in any data study is the sampling size and cross-section. In this case, the limitations to be aware of are the size of the master list of cities and the method of selection from the list.

1. The trend in temperatures is as expected for a northern winter month. The further north the latitude the lower the current temperatures are shown on the graph.

The 2 largest temperature clusters that can be seen are:

* Equatorial belt -20 to 20N has a temp range from 60 to 90F
* Northern belt, 40 to 75N has a temp range of 40 to -20F

1. The trend in wind speeds generally aligns with temperature. Wind is just air movement. As temperatures fall, cold air displaces the warmer resulting in increased air movement or wind.

* The Winds graph shows the Equatorial belt -20 to 20N has a constant cycle of hot air being replaced by colder air coming in.

1. The humidity graph shows a high moisture concentration of 40%- 100% over a wide latitude range from -40 to 80N. This includes and is very typical for the equatorial belt and northern winter latitudes.