

Ozone

Anonymous

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Data

The `atmos` data set resides in the `nasaweather` package of the *R* programming language. It contains a collection of atmospheric variables measured between 1995 and 2000 on a grid of 576 coordinates in the western hemisphere. The data set comes from the 2006 ASA Data Expo.

Some of the variables in the `atmos` data set are:

- **temp** - The mean monthly air temperature near the surface of the Earth (measured in degrees kelvin (*K*))
- **pressure** - The mean monthly air pressure at the surface of the Earth (measured in millibars (*mb*))
- **ozone** - The mean monthly abundance of atmospheric ozone (measured in Dobson units (*DU*))

You can convert the temperature unit from Kelvin to Celsius with the formula

$$celsius = kelvin - 273.15$$

And you can convert the result to Fahrenheit with the formula

$$fahrenheit = celsius \times \frac{5}{9} + 32$$