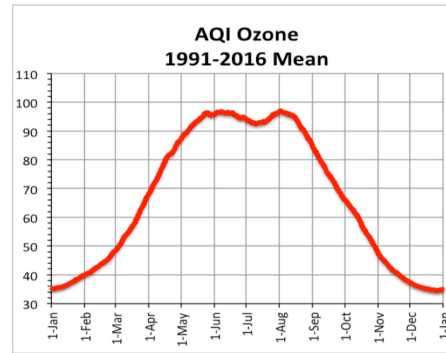


- 8) The graph to the right shows the daily average value of the Air Quality Index (AQI) for ozone, the primary irritant in photochemical smog, for Phoenix, Arizona. Describe two meteorological reasons why average ozone levels are two-times higher during the four calendar months (May-June-July-August) than the four months (Nov-Dec-Jan-Feb), being certain to explain how each factor contributes to the buildup. (The answers are not related to seasonal changes in the input of primary pollutants from auto emissions that are the ultimate cause of photochemical smog.)

What is the meteorological reason for the dip in the AQI in July?



*Air Quality Index (AQI) for ozone at Phoenix, Arizona. Data are from the Environmental Protection Agency.*