



## Earth Central: Ozone on the Web

### **The Ozone Hole**

Go to the Cambridge University Ozone Hole Tour ([www.atm.ch.cam.ac.uk/tour](http://www.atm.ch.cam.ac.uk/tour)). to find information about the antarctic ozone hole. How large is the hole, and when is it worst?

Is the ozone hole getting better or worse?

Take a look at both the previous web site and the NASA TOMS Project website ([jwocky.gsfc.nasa.gov](http://jwocky.gsfc.nasa.gov)) for a wide variety of ozone information. Look at the graphs under "Today's Ozone" for information on this question. There are also links here to Educational Resources and multimedia files that may want to explore.

### **Local Stratospheric Ozone**

How much ozone was overhead today? (look at yesterday's data if the site isn't updated yet)

Look again in the NASA TOMS site: click on the O in TOMS at the top of the page, and follow the link to "ozone over any location."

## **Ground Level Ozone**

Now visit the EPA's Northeast US Ozone website ([www.epa.gov/airnow/](http://www.epa.gov/airnow/)) to find out how much ground level ozone there is today (yesterday). Take a look at the archives, can you find days with more ozone?

Given what you know about conditions needed to produce ground level ozone, what areas and times would you predict would have high ozone levels? Examine the weather and ozone maps for Massachusetts on August 24, 1998 (see link on our ozone web page) to see if you can explain: What areas have high ozone and why?