

**First:** Download all files in this ftp directory into a single directory.

**Then:**

*To plot a single sounding on a Skew T diagram:*

1. Go to the U. of Wyoming sounding web site, <http://weather.uwyo.edu/upperair/sounding.html> to see a map of station numbers.
2. In MATLAB, type the commands  
`[data,header,status] = getsounding([station number], [year] ,[month] ,[day],[GMT])`  
`skewt(data(:,1),data(:,3),data(:,5)/100)`

Example:

```
[data,header,status] = getsounding(72797,2008,5,12,12)
skewt(data(:,1),data(:,3),data(:,5)/100)
```

(Thanks to Andrew Rhines for providing the *getsounding* script.)

*To make contour plots of parcel buoyancies:*

1. Use a FORTRAN compiler (e.g. f77) to compile *wyoming.f* into an executable named "*wyoming.exe*". (Note: You only have to do this once.) A good free FORTRAN compiler is g95, available at <http://www.g95.org/downloads.shtml>
2. Go to the U. of Wyoming web site, <http://weather.uwyo.edu/upperair/sounding.html> , and download a sounding file. Save this file into an ascii text file called "*sounding.txt*".
3. Execute "tcon" in MATLAB.