Lab #4, Cross Sections II
Due: Thursday, 11 February

1. Sketch soundings for any town at five different times:
   a. A sunny spring morning
   b. A partly cloudy afternoon, with a warm front approaching.
   c. A cloudy morning, the warm front drawing closer.
   d. After the warm frontal passage, with an approaching cold front, a thunderstorm in progress.
   e. After the cold frontal passage.

2. Using the University of Wyoming soundings page and whatever other materials you wish (surface analyses, satellite imagery, etc.), select two RAOB stations and sketch a vertical cross section of the atmosphere between the two. Try to pick a pair of stations that has something interesting going on between them (thunderstorms, front, sea breeze, etc.)

   Contour as many fields as you like, but you must contour AT LEAST two. Hand in plots of the Skew-T from each station as well as your cross section. Include a short summary (two or three sentences) of what’s going on.