**Practicing with the SRT**

To open the SRT, open MS-Dos. To do this, double click on the MS-Dos icon which should be on the desktop. Once MS-Dos is open, you will need to change directories to the SRT directory. To do this, type “CD \SRT” and hit enter. Now, to start the SRT program, type “JAVA SRT 0” and hit enter. Do this now. Now, do all of the following:

1) A red plus sign indicates the position of the SRT. When the SRT is first turned on, what is the position? Write the position as azimuth and elevation.

2) Click on the Sun. The SRT should begin to move. What do you notice about the plus sign as the SRT moves? Once the SRT gets to the Sun?

3) Practice changing the azimuth and elevation. Pick an empty section of sky and send the SRT there. Take a visual check—can you see the SRT moving?

4) Practice changing frequency. For example, set the frequency to 1415 (the units are MHz). What has changed on the screen?

5) Calibrate the SRT. To do this, click the button entitled “Vane.” What do you notice during the calibration? After? What do you see happening with the SRT outside?

6) Point the SRT at the Sun. Instruct the SRT to do an npoint. What do you notice while the npoint is happening? Once the npoint is done? Be specific.
7) Change the frequency to 1420.4.

8) Point the SRT at something interesting such as a star (but not the Sun). Allow the SRT to point at the object and take data for about a minute. Once enough data is collected, click on the graph titled accumulated spectrum to enlarge it. Sketch the graph below. Include axes.

9) What do you notice about the graph above? What do you think the graph means?

10) Try entering various azimuth and elevation angles. Are there some positions that the SRT cannot go to? How are these positions represented on the screen?

11) Click “stow” to return the SRT to its stow position. The SRT should always be returned to this position when you are done using it. Where is this location (what is the azimuth and elevation of stow)?