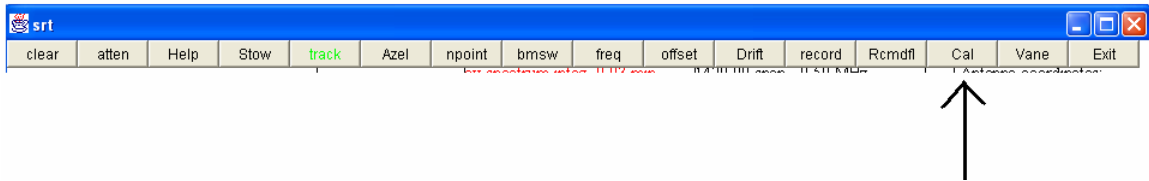


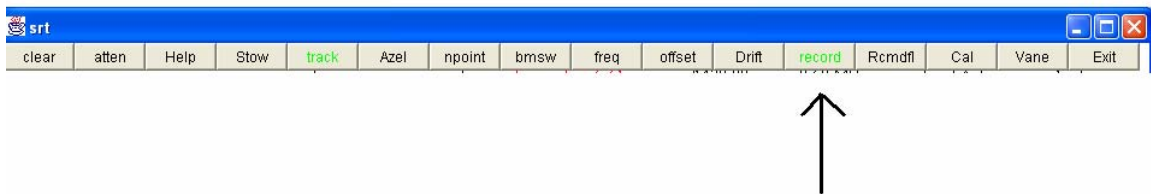
LESSON #4 RECORDING A DATA FILE

1. Start the SRT program.
2. Point the telescope to the Test position. This is an empty part of the sky.
3. Click the Cal button to calibrate the telescope.



By measuring the temperature of the empty sky, your telescope will be able to make accurate measurements of other objects.

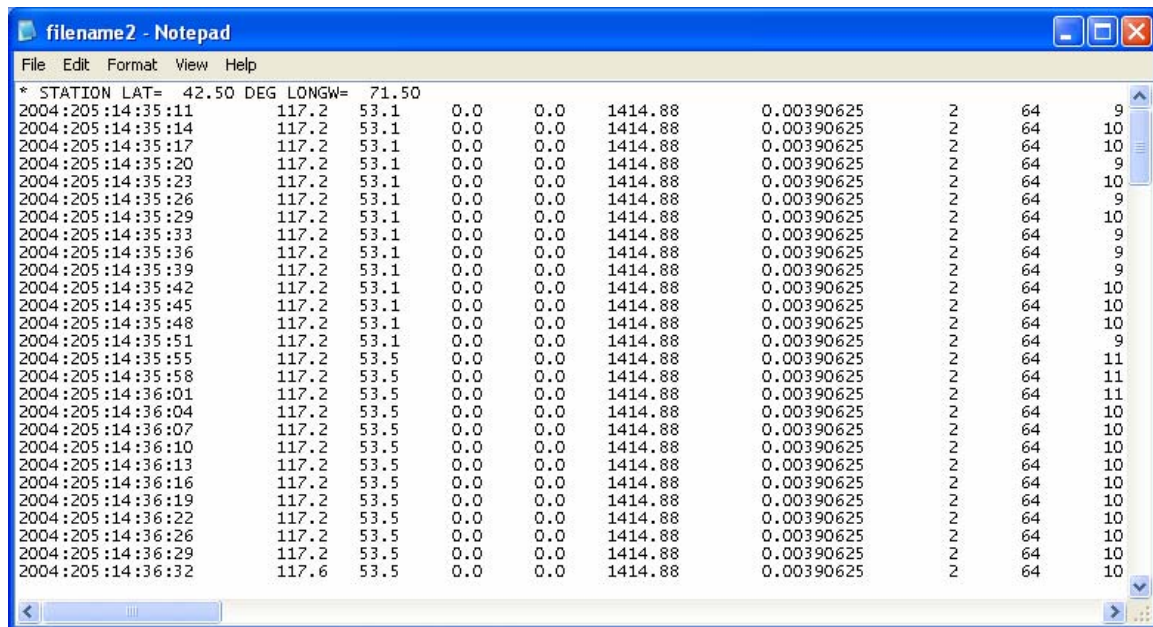
4. Point the telescope at the sun.
5. Do an npoint to make certain the telescope is pointed correctly.
6. You must do both these steps in order to retrieve useful data.
7. Set the frequency to 1415 mode 2. This is the setting appropriate for getting data from a continuum source such as the sun.
8. Make sure you're still looking at the sun.
9. At the bottom of the screen, type "*filename.rad*". It must end with ".rad". DON'T HIT RETURN. Instead, hit the record button to start recording data from the sun.



10. After a few minutes, hit the record button again to stop recording the data file.

11. To find your data, look in: My Computer → C:\ → SRT → *filename*

12. Open it up. It should look like this:



	RA	Dec	Az	El	Alt	AzRate	ElRate	AltRate	AzAcc	ElAcc
* STATION LAT= 42.50 DEG LONGW= 71.50										
2004:205:14:35:11	117.2	53.1	0.0	0.0	1414.88	0.00390625	2	64	9	
2004:205:14:35:14	117.2	53.1	0.0	0.0	1414.88	0.00390625	2	64	10	
2004:205:14:35:17	117.2	53.1	0.0	0.0	1414.88	0.00390625	2	64	10	
2004:205:14:35:20	117.2	53.1	0.0	0.0	1414.88	0.00390625	2	64	9	
2004:205:14:35:23	117.2	53.1	0.0	0.0	1414.88	0.00390625	2	64	10	
2004:205:14:35:26	117.2	53.1	0.0	0.0	1414.88	0.00390625	2	64	9	
2004:205:14:35:29	117.2	53.1	0.0	0.0	1414.88	0.00390625	2	64	10	
2004:205:14:35:33	117.2	53.1	0.0	0.0	1414.88	0.00390625	2	64	9	
2004:205:14:35:36	117.2	53.1	0.0	0.0	1414.88	0.00390625	2	64	9	
2004:205:14:35:39	117.2	53.1	0.0	0.0	1414.88	0.00390625	2	64	9	
2004:205:14:35:42	117.2	53.1	0.0	0.0	1414.88	0.00390625	2	64	10	
2004:205:14:35:45	117.2	53.1	0.0	0.0	1414.88	0.00390625	2	64	10	
2004:205:14:35:48	117.2	53.1	0.0	0.0	1414.88	0.00390625	2	64	10	
2004:205:14:35:51	117.2	53.1	0.0	0.0	1414.88	0.00390625	2	64	9	
2004:205:14:35:55	117.2	53.5	0.0	0.0	1414.88	0.00390625	2	64	11	
2004:205:14:35:58	117.2	53.5	0.0	0.0	1414.88	0.00390625	2	64	11	
2004:205:14:36:01	117.2	53.5	0.0	0.0	1414.88	0.00390625	2	64	11	
2004:205:14:36:04	117.2	53.5	0.0	0.0	1414.88	0.00390625	2	64	10	
2004:205:14:36:07	117.2	53.5	0.0	0.0	1414.88	0.00390625	2	64	10	
2004:205:14:36:10	117.2	53.5	0.0	0.0	1414.88	0.00390625	2	64	10	
2004:205:14:36:13	117.2	53.5	0.0	0.0	1414.88	0.00390625	2	64	10	
2004:205:14:36:16	117.2	53.5	0.0	0.0	1414.88	0.00390625	2	64	10	
2004:205:14:36:19	117.2	53.5	0.0	0.0	1414.88	0.00390625	2	64	10	
2004:205:14:36:22	117.2	53.5	0.0	0.0	1414.88	0.00390625	2	64	10	
2004:205:14:36:26	117.2	53.5	0.0	0.0	1414.88	0.00390625	2	64	10	
2004:205:14:36:29	117.2	53.5	0.0	0.0	1414.88	0.00390625	2	64	10	
2004:205:14:36:32	117.6	53.5	0.0	0.0	1414.88	0.00390625	2	64	10	

13. Stow the telescope; you're done.