



Launch to the Milky Way – Blackbodies or Not?

Don't forget to record data and observations as you work through this activity. Here are some questions to reflect on as you work.

1. What is a blackbody? What observations can you describe from the animation that illustrate the idea of a blackbody?

2. You are asked to consider the broad question "Are Stars Blackbodies?" What information do you know about stars, from prior experience as well as the blackbody animation, that is related to this question?

3. Based on the question and your background knowledge, create a testable hypothesis. (If you chose to use the example hypothesis, write that hypothesis here.)

4. Identify the set(s) of data you will need to test your hypothesis.

5. Describe the method you will use to collect data. Record the RA and Dec of your starting place for gathering data.

Name _____

6. Use the space below to organize and describe your results. Use any information you observe directly from the spectra or the information on the page to uncover any relationships. Describe any patterns that you see.
7. Did you prove or disprove your hypothesis? If you need more information, what information do you need? Where can you find it?
8. Can you answer the original question "Are Stars Blackbodies?" What new questions did you think of based upon your results? What resources or activities within or outside of Voyages could you use to further explore these questions?