

PHY517 / AST443: Observational Techniques

Fall 2017

Homework 2

1. Request your exoplanet transit observing dates! See wiki for instructions. You should figure this out as a group; in particular, make sure that everybody understands the steps that go into your calculations. A lot of this will need to go into your lab reports.
2. Orion culminates at 1am in September; at what time does it rise 3 months later? Describe how you arrived at your answer.
3. Looking up references and compiling L^AT_EX:
 - Download the `example.tex` file, and read and compile it.
 - Look up 3 references for your “birthday object”, and read their abstracts.
 - Write a short paragraph about this object, briefly summarizing the conclusions from these 3 papers.
 - Include the references via BibTeX.
 - Also include your finding charts and StarAlt chart in the document.
 - Submit the compiled pdf and the source code.