

## Astronomy Lab Paper Rubric – 40 Possible Points

| <b>Category / Score</b>  | <b>3</b>  | <b>8</b>   | <b>13</b>   | <b>Notes</b>                          | <b>Score</b> |
|--|---|--|---|---------------------------------------|--------------|
| <b>Object Background &amp; Paper Organization</b>  | <ul style="list-style-type: none"> <li>Discusses only one or no suggested background topics</li> <li>Includes one or no citations supporting information</li> <li>Spelling &amp; grammar mistakes in every sentence</li> <li>Use of scientific language is routinely incorrect</li> <li>Paper is short by a page or more</li> </ul> | <ul style="list-style-type: none"> <li>Discusses only two suggested background topics</li> <li>Includes only two citations supporting information</li> <li>Average number of spelling &amp; grammar mistakes</li> <li>Use of scientific language is usually correct but infrequently incorrect, and sometimes clunky/awkward</li> <li>Paper is short by half a page</li> </ul> | <ul style="list-style-type: none"> <li>Discusses at least three suggested background topics</li> <li>Includes three or more citations supporting information</li> <li>No noticeable spelling &amp; grammar mistakes</li> <li>Use of scientific language is appropriate</li> <li>Paper is correct length</li> </ul>        |                                       |              |
| <b>Experimental Plan (Description of Analysis &amp; Data Product Presentation and Explanation)</b> | <ul style="list-style-type: none"> <li>Description of analysis is incorrect or misleading</li> <li>It is unclear how the resulting data product could be reproduced</li> <li>Data product figure is not included or explained at all</li> </ul>   | <ul style="list-style-type: none"> <li>Description of the analysis is mostly clear but occasionally confusing/misleading</li> <li>Another student could produce the data product based on description offered and a little guesswork</li> <li>Data product figure is included and explained</li> </ul>   | <ul style="list-style-type: none"> <li>Description of analysis is clear</li> <li>Another student could produce the data product based on description of analysis alone</li> <li>Data product figure is included and explained</li> <li>All suggested identifying information about the observation is included</li> </ul> |                                       |              |
| <b>Calculation and Explanation</b>   | <ul style="list-style-type: none"> <li>Calculation is incorrect, or nonexistent</li> <li>It is unclear how the resulting calculation was made based on the narrative</li> </ul>   | <ul style="list-style-type: none"> <li>Calculation is correct</li> <li>Another student could repeat the calculation based on the provided description and a little guesswork</li> </ul>  | <ul style="list-style-type: none"> <li>Calculation is correct and clearly/cleanly explained</li> <li>Another student could repeat and understand the calculation based on provided description</li> <li>Any external information used to complete the calculation is cited</li> </ul>                                     |                                       |              |
|  |   |  |   | <b>Initial Score</b>                  |              |
|  |   |  |   | <b>Final Score (Initial Score +1)</b> |              |