

Astronomy 101 Lab Grading Rubric

Section	Total Points	Sections
Cover Page	5	<ul style="list-style-type: none"> ● Title ● Lab section and TA name ● Names of all members of group ● Date lab was performed ● Honor pledge and signature
Abstract	10	<ul style="list-style-type: none"> ● Summary of experiment's purpose ● Summary of basic procedure ● Summary of results ● Reasonable length (1-2 paragraphs)
Introduction	15	<ul style="list-style-type: none"> ● Purpose of experiment ● Brief review of background theory behind experiment ● explanation of processes by which you collected data ● overall clarity of description
Data and Analysis	20	<ul style="list-style-type: none"> ● Well organized ● tables and graphs properly constructed (titles, headings, units, uncertainties, etc.) ● variables/symbols defined ● clear description of analysis techniques ● results within the reasonable range of values ● appropriate units for all reported values ● Calculations done correctly
Discussion	40	<ul style="list-style-type: none"> ● Summary of results – clear explanation of results of experiment ● Implications of results, what conclusions can you draw from them ● major sources of uncertainty identified, including the largest contributor of error, and explanation of how they affect the result ● possible ways to reduce error in future lab attempts ● discoveries, lessons learned, suggested extensions or improvements for lab ● questions in lab manual answered ● extra TA questions answered ● overall clarity of explanation
Data Page	10	<ul style="list-style-type: none"> ● Complete data sheet with TA initials (10)