

Handheld Lab Grading Sheet – Riveland_Clouse

	Title Page, Table of Contents
4/5	Executive Summary - Summarize briefly the objectives, what was done, results, and conclusions. Provide an overview of the rest of your report. Mostly good – a little too terse. Be more specific about what you did.
4/5	Objectives - State specifically the purpose of your experiment, why this is of interest, and your hypothesis for how it will turn out Generally ok, but make sure you are really designing an experiment to test what you are interested in. If you are interested in the utility for hiking purposes and off-roading then why are you testing from a car (?) along a highway
5/7	Method - Describe your experimental approach. List the procedures, equipment and software to be used. How many trials are planned and why. Where are the receivers in the vehicle? What kind of vehicle? Good discussion of the data analysis methods.
5/5	Experiment - How, where and when you collected data. Relevant information on the receiver mounting, weather conditions, anything else that might affect your outcomes Photo of receivers mounted in the car would be ideal. Duct tape can go a long way in fixing mounting issues.
7/9	Results - Present your results in graphical and/or tabular form. Give relevant statistics and other useful information like the predicted satellite visibility (if relevant). Make it easy for the reader to understand. DO NOT speculate in this section on why the results came out the way they did - that goes in the discussion. Show results from each of the runs, then subtract to show the relative values. We could get a better idea of what's going on by looking at both. For example you might notice systematic variations in one but not the other. Nice job with the figures in the appendix showing the expected satellite visibility and the blockages.
9/9	Discussion/Analysis - Analyze your results. Explain why they turned out the way they did. Compare your findings to your hypothesis. Good – solid analysis of what you observed.
5/5	Conclusions and Recommendations - describe what you learned about how GPS works and recommend changes to the lab, the experiments you designed, or potential for future investigations Good
	References
5/5	Style and Clarity - clarity, spelling, grammar, organization, neatness The word data is plural – i.e. data were collected, data are shown, etc.
44	<hr/> TOTAL