



## **SkeeterSat Calibration Report Guidelines**

### **LaACES Student Ballooning Course**

**September 2019**

Write a report that details the procedure you used to calibrate the SkeeterSat. The report should include a description of the SkeeterSat, the materials and procedure used, the results of the calibration, and an analysis of the results. Schematics, graphs, and photographs should be included.

The report should be in a standard, professional sans serif font (Calibri, Arial, Georgia, etc) in size 11 or 12 pt. font with 1-inch margins.

### **Report Contents**

#### **Introduction**

[Describe the SkeeterSat, its major components, and its basic functions. What is the SkeeterSat? What does it do?]

#### **Objectives**

[Describe the goal of the calibration. What is the purpose of calibrating the SkeeterSat? What information do you hope to learn?]

#### **Materials**

[Describe the materials used in the procedure. What items and software did you use?]

#### **Calibration Procedure**

[Describe the procedure used to calibrate the SkeeterSat. How did you record temperature and frequency? How did you record the frequency of the beeps?]

#### **Calibration Results**

[Describe the results of the calibration. Include a table and graph of the results. What temperatures did you measure? What were the calculated resonant frequencies?]

#### **Conclusion**

[Briefly describe the results and conclusions made from the analysis. Was the calibration successful? What information was learned? How might the information be used in the future?]