

Data Team One

Team Members



Greg Cunningham



Jake Duncan



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Design

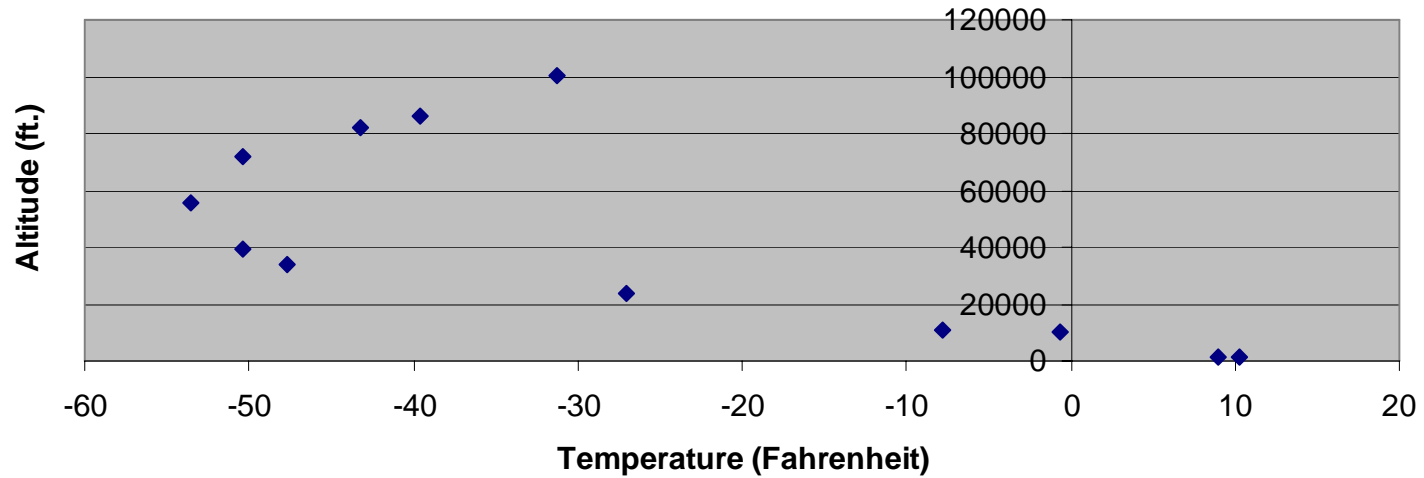
- Small and light as possible
- Insulation used to hold heat for circuit
- Aluminum tape used for protection for landing

Testing Procedure

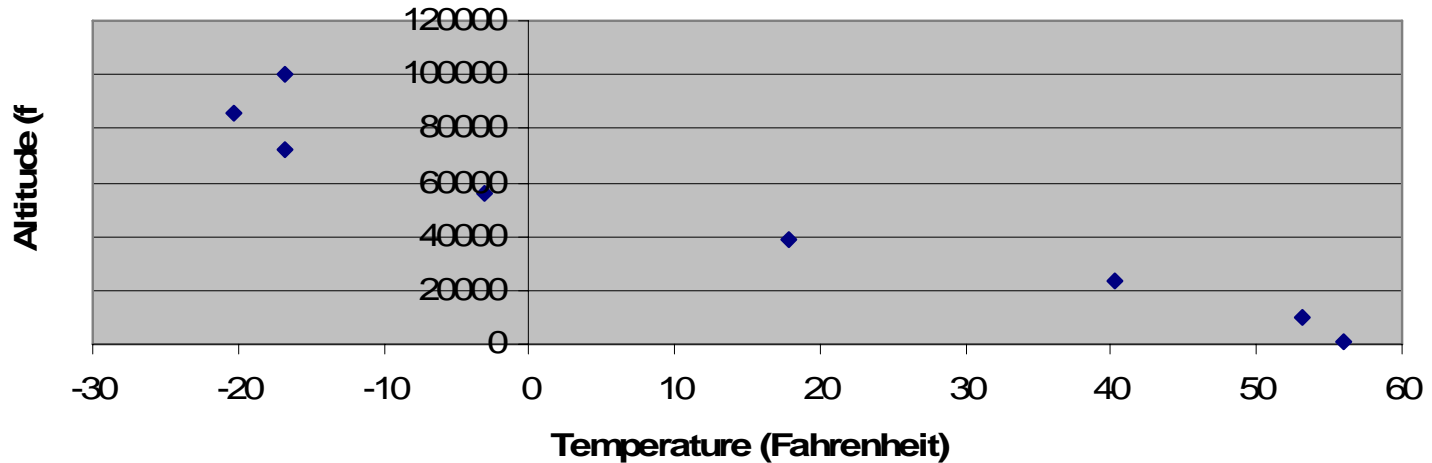
- Program HOBO
- Place satellite in vacuum tube
- Retrieve data
- Calibrate data using voltage and pressure readings

Temperature Graphs

External Temperature vs. Altitude

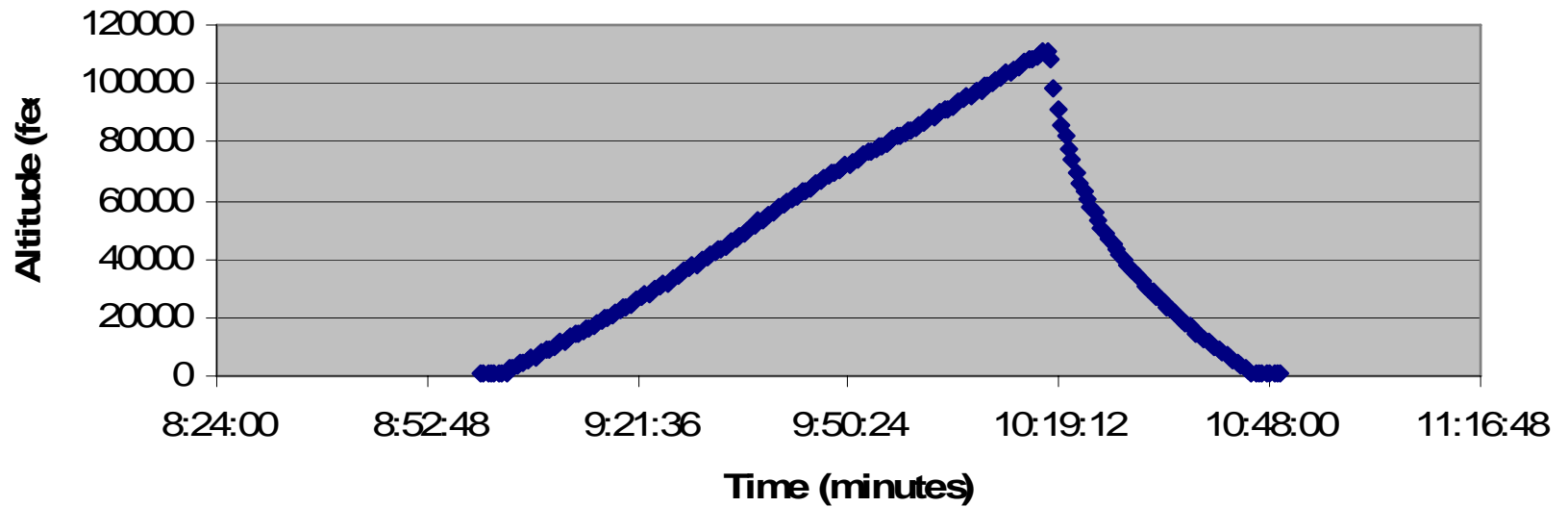


Internal Temperature vs. Altitude



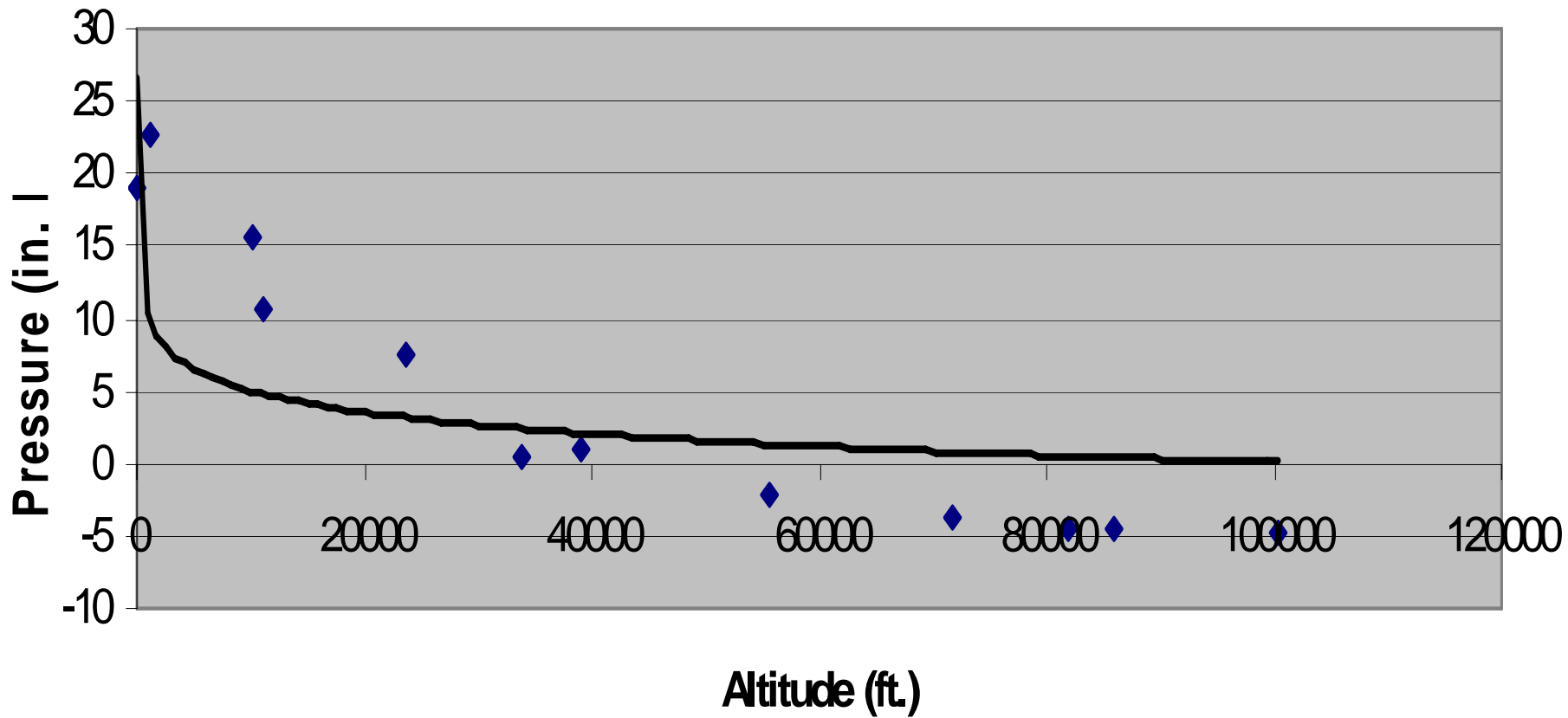
GPS Data

Time Vs. Altitude



Pressure

Altitude vs. Pressure



Conclusions

- Internal temperature much warmer than external temperature
- Pressure drops as altitude increases

Lessons

- Difference in time on HOBO and GPS may have skewed results
- HOBO recorded four hours of flight, GPS recorded only two hours

