

Data Team 2
a.k.a
Team Name

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-
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Design

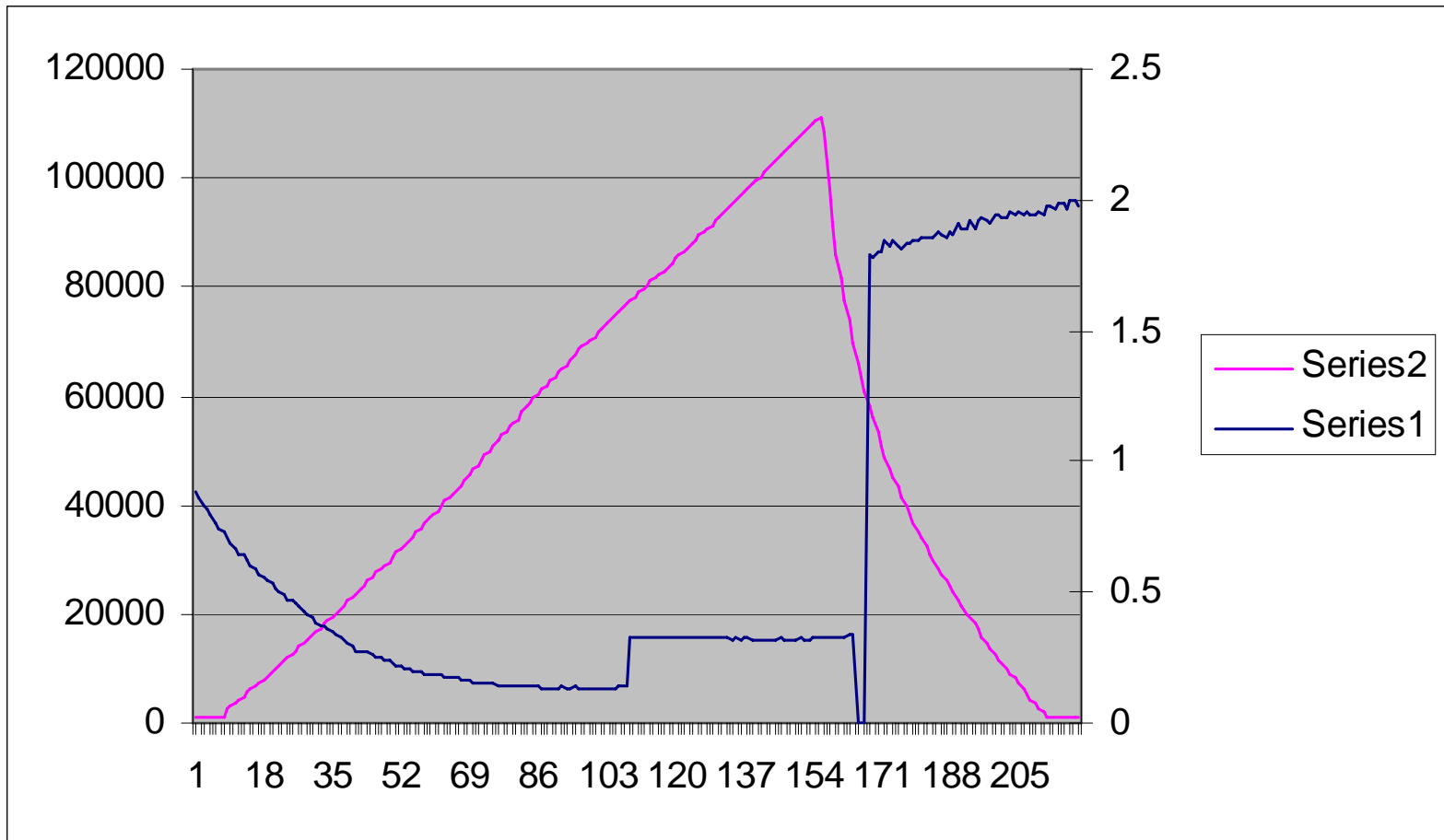
- We used precise calculations to determine where the opening for the satellite should be, as well as where the placement of the switch, probe, and straw should be.



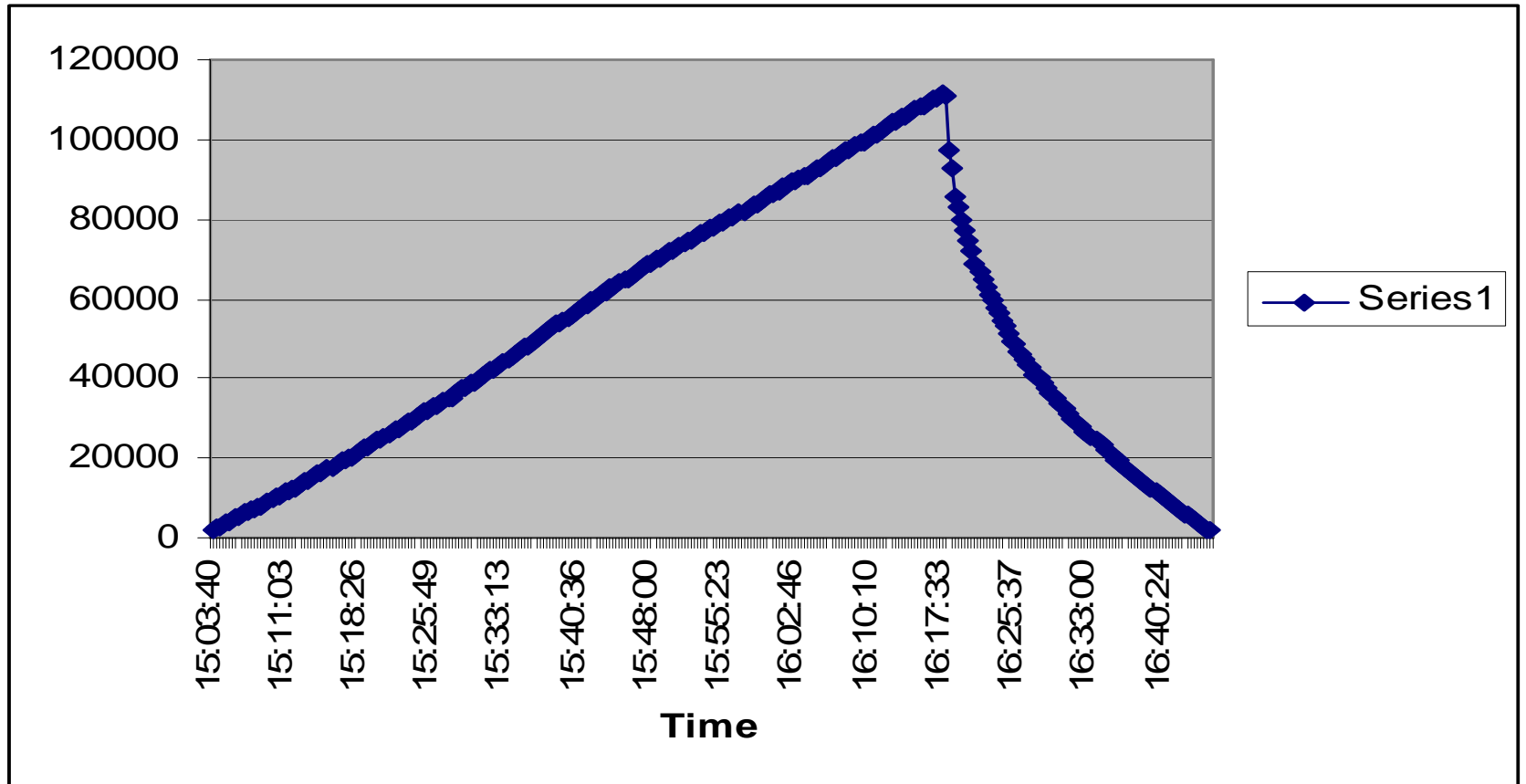
Testing

- We put our satellite through many rigorous tests.
- To test that the equipment inside worked we set the satellite in a room and let it run for 2 hours to collect data.
- We also placed the satellite in a pressure chamber to test the pressure capabilities of our satellite.

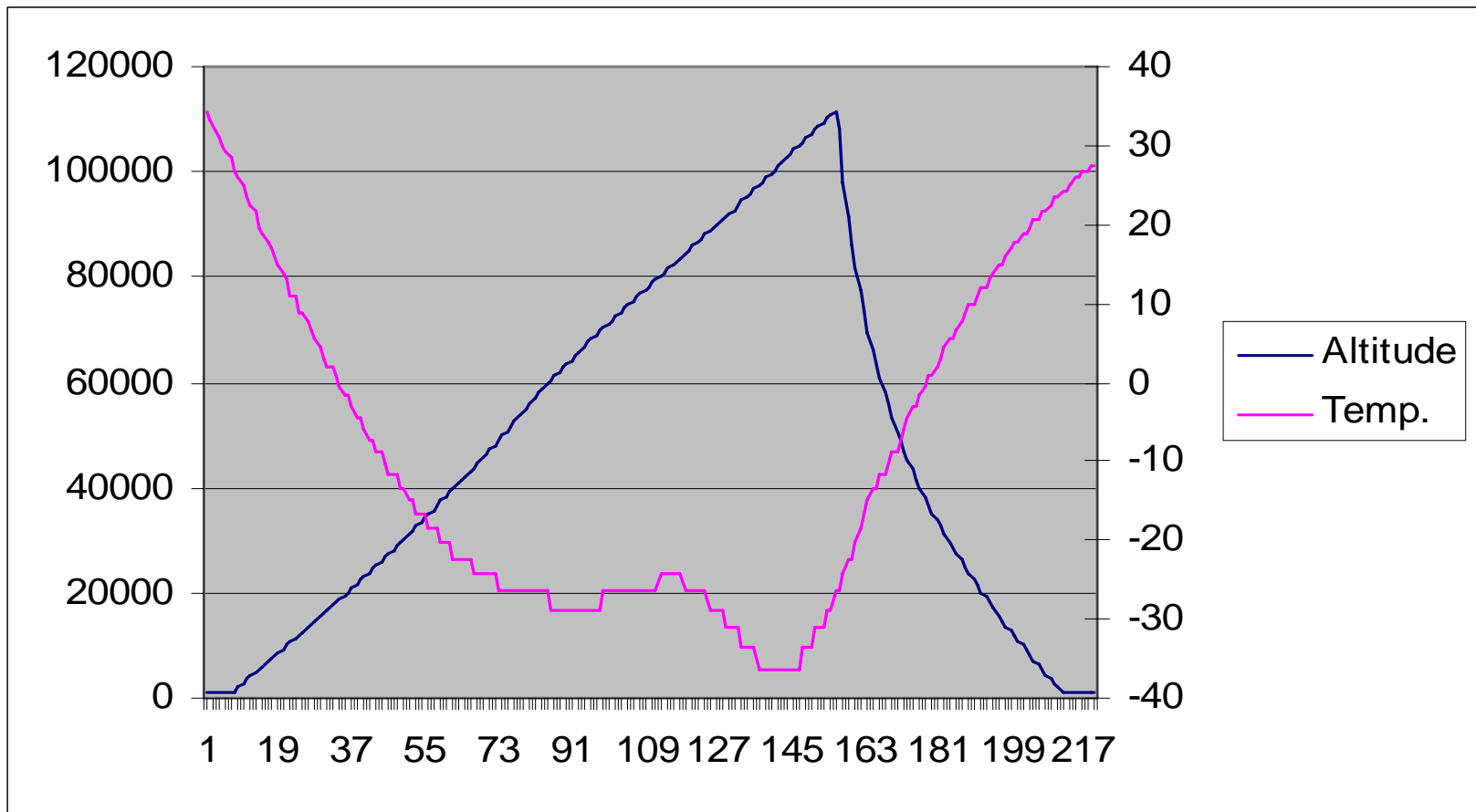
Altitude vs. Pressure



Altitude vs. Time



Temperature vs. Altitude





Data Reduction

- To calculate our data for our graphs, particularly the pressure vs. altitude graph we had to use our trial run in class as a benchmark to convert the given voltage from our flight to an accurate pressure reading.
- All the other data in the graphs was given to us from our satellite.



Conclusion

- During this project we learned the basics of hardware wiring.
- We also came away with a better understanding of general engineering principles.
- And oh yes...we did learn how to solder.