1 Flight Statistics and Information

Launch Location: Mihigan Center High School
Launch Time: 10:15am
Ground Conditions: Cold with a light breeze
Balloon Size: 1500g
Total Mass: about 12 lbs
Launch Notes: FTU activated when powered on the ground. We were able to proceed with the flight by pulling the damaged neck down further over the FTU.

Experiment 1
Result: Test Strat-Sat operation
Experiment 2
Result: Test Scooby tracker

Landing Location: Just west of Dundee, MI
Landing Time: approx 11:30am
Retrieval Notes: Easy retrieval in an open field

Max Altitude: 82,402 ft
Target Ascent Rate: 6 m/s
Average Ascent Rate: 6.4 m/s
Average Descent Rate: -16.2 m/s

Additional Media: http://exploration.engin.umich.edu/blog/?page_id=2524

Other notes:

Figure 1: Predicted vs. actual flight path (black = predicted)
Figure 2: Flight 19 elevation plot

Figure 3: Flight 9 vertical velocity plot