

Abstract Submitted
for the APR15 Meeting of
The American Physical Society

Analysis of Flight of Near-Space Balloon ZECH MILLER, AUSTIN EVANS, JAMES SEYFERT, KYLE LEADLOVE, KAITLYN GUMINA, ERIC MARTELL, Millikin University — In December 2014, the Electronics class at Millikin University launched a balloon designed to travel into the near-space region of the atmosphere. The balloon was equipped with an instrumentation package including a camera, accelerometer, barometric pressure sensor, temperature probes, as well as a system for tracking using an Automatic Packet Reporting System (APRS). The balloon was launched from Decatur, IL, and landed in Marysville, OH, nearly 320 miles away. The students then analyzed the data from the flight and compared results to expectations.

Eric Martell
Millikin University

Date submitted: 09 Jan 2015

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