

MIT Rocket Team

FRR Addendum



April 9, 2012

The MIT Rocket Team travelled to Berwick, Maine on April 7 to test fly a reconstructed version of our final USLI Rocket "Siren". The rocket was launched on an L1395 at approximately 4:30pm in 10-15 mph winds. The 1/32" fin failed shortly into flight with no noticeable effects on the direction of flight. The 1/16" fin remained attached to the rocket throughout the flight, reducing the apogee altitude to 4,816'. The main parachute deployed as planned at 300' and took 138' to fully open. The main body section landed 790' away and the nose cone/high school payload section landed 85' from it. The liberated fin landed approximately 200' short of the main body section.

The mechanical actuation of the high speed cameras in the payload failed to work properly during arming on the launch pad. The cameras have since been disassembled and will be turned on and put into record mode electronically. Video of the launch can be seen here: <http://www.youtube.com/watch?v=IXDqZdtXIPU> At approximately 30 seconds, the liberated fin can be seen landing.



Fin landing

