BALLOONS BUILD SATELLITES: THE PROGRESSION OF A STUDENT SATELLITE DESIGN GROUP

Mark Becnel
Space Hardware Club V.P.
April 2-3, 2012 – AIAA Region 2 Student Conference
BALLOONS BUILD SATELLITES:
THE PROGRESSION OF A STUDENT SATELLITE DESIGN GROUP
Club History & Current Endeavors

Classroom Involvement
Club Founding
February 8, 2006

BalloonSat 1
Inaugural Balloon Flight
April 22, 2006

BalloonSat 15
Neutron Counter w/ NSSTC
August 26, 2011

Most Recently:
BalloonSat 17
January 28, 2012

BalloonSat

Club History
Space Hardware Club
2008 - Optimus Prime
2<sup>nd</sup> Place

2009 – Megatron
3<sup>rd</sup> Place

2011 – Jetfire
4<sup>th</sup> Place

2012 – Bumblebee
June 2012

**CanSat**

Mock Satellite Competition

Club History

Space Hardware Club
Rocket Battle
Planetary Rover Competition

Club History

Space Hardware Club
NASA
CubeSat Launch Initiative
Proposal – November 2012
Accepted – February 2012
Target Delivery – January 2013

Orbital Pico-Satellite
Student - Designed, Student – Built

Space Hardware Club
Development, Fabrication, & Testing

CHARGERSAT

Orbital Pico-Satellite
Student - Designed, Student – Built

Space Hardware Club
CLASSROOM INVOLVEMENT

“Hands-on learning”

“Well rounded students”

“Pride in our products”
QUESTIONS

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