CanSat 2015
Post Flight Report

14 June 2015
4486
Sunstreaker
1. Introduction
2. System Overview
3. Concept of Operations & Sequence of Events
4. Flight Data Analysis
5. Failure Analysis
6. Conclusion
Team Organization

Team Lead
Kyle Renfroe
Freshman

Faculty Advisor
Dr. Francis Wessling

Team Mentor
Tony Mai

Alternate Team Lead
Chase Kimbrell
Freshman

Mechanical Lead
Davis Hunter
Freshman
Chase Kimbrell
Kyle Renfroe

Ground Station Lead
Tara RuthAnn Sprinkle
Junior

Electrical Lead
Kyle Renfroe

FSW Lead
Nathan Elrod
Junior

Presenter: Kyle Renfroe
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Systems Overview

Kyle Renfroe
Chase Kimbrell
Davis Hunter
Tara Sprinkle
Physical Layout
Concept of Operations and Sequence of Events

Kyle Renfroe
System Concept of Operations
Comparison of Planned and Actual ConOps
Flight Data Analysis

Tara RuthAnn Sprinkle
Descent Rate Before Separation

Presenter: Tara RuthAnn Sprinkle

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Payload Descent Rate
Video
Payload Telemetry
Selectable Objective Data
Failure Analysis

Chase Kimbrell
Failure Analysis

Presenter: Chase Kimbrell
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Lessons Learned

Tara RuthAnn Sprinkle
Davis Hunter
Chase Kimbrell
What Worked
What Didn’t Work
Conclusions