

# BalloonSat Flight 52

Launch Operations: Sunday, October 16, 2016

*Research Park, Huntsville, Alabama*

*34.736682N, 86.691600W*

*[\(Type into Google Maps\)](#)*

The Space Hardware Club will be conducting flight operations for the conclusion of the OneMonth project. At the moment, 23 teams are hard at work preparing for their flight. Each payload is designed to fly to 600 ft. then cut down and descend while using flashing LEDs to indicate their flight state. The Master Cutdown will trigger at 1000 ft. During flight operations our team will be communicating via ham radio on 146.555 MHz.

## 1<sup>st</sup> Balloon Manifest:

- Byonics APRS Tracker,
  - Callsign: K4UAH-12
  - APRS Beacon: 144.390MHz
- SPOT Tracker
- Main Parachute
- Master Cutdown #1
- 1600 g Balloon
- OneMonth Chain #1

## 2<sup>nd</sup> Balloon Manifest:

- Byonics APRS Tracker,
  - Callsign: K4UAH-11
  - APRS Beacon: 144.390MHz
- SPOT Tracker
- Main Parachute
- Master Cutdown #2
- 1600 g Balloon
- OneMonth Chain #2

## 3<sup>rd</sup> Balloon Manifest:

- SPOT Tracker
- Main Parachute
- Master Cutdown #3
- 1600 g Balloon
- OneMonth Chain #3

## Timeline:

Flight Briefing @ MSB 100	5:30 PM
Team Departure to Research Park	5:45 PM
Team Arrival at Launch Site/Unload	6:00 PM
Final Weather Check	6:10 PM
Begin Flight Ops	6:20 PM
Begin Balloon Fill	6:30 PM
Tracker Power-Up	7:20 PM
Ground Station Test	7:30 PM
Final Payload Check	7:50 PM
Launch	8:00 PM
Recovery	Immediately after Launch

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