BalloonSat 31 Flight Announcement

Launch: Saturday, February 22, 2014 12:00 p.m. UAHuntsville Greenway Circle
Coordinates: 34.72455 N, -86.6397 E

Flight Overview
The UAHuntsville Space Hardware Club will launch BalloonSat 31 on February 22, 2014 from the Greenway at UAHuntsville, next to Charger Village. The club routinely flies these high altitude ballooning missions in support of the clubs projects and competition teams. This mission will be a training mission. The Analog Television Payload (ATV Payload) will be flying along with an APRS GPS Tracker, a satellite-based tracking payload courtesy of Bill Brown, a CanSat altimeter and cutdown test payload for CanSat Team Blackout, an Inertial Measurement Unit payload, and the High Altitude Blinking Unit III (HABU III). You can find out more about Space Hardware Club at space.uah.edu.

Payload Transmitter Frequencies
APRS Beacon: 144.390MHz
ATV Video: 427.25MHz, TV channel 58

Ground Operations Frequencies
Primary: 146.520 MHz FM
Secondary: 147.450 MHz FM

Payload Manifest
- Bionics APRS Tracker, Callsign: K4UAH
- ATV Payload on 427.25 MHz (Channel 58)
- Satellite-based Tracker
- High Altitude Blinking Unit 3
- CanSat Team Blackout Altimeter & Cutdown Payload
- Inertial Measurement Unit
Flight Path Prediction

Point of Contact
Markus Murdy – space@uah.edu

Flight Day Schedule
8:30 a.m. - Project leads meet in VBRH M25
9:00 a.m. - Flight Readiness Review with Club members
9:30 a.m. - Begin preparing payloads, materials, and ground station
10:00 a.m. - Activate APRS tracker
10:00 a.m. - Balloon Transfer team departs to Tech Hall Machine Shop
10:05 a.m. - Payloads depart VBRH for Greenway Circle
10:35 a.m. - Payloads laid out by this time
10:45 a.m. - Balloon arrives at Greenway Circle
11:00 a.m. - Bill Brown arrives with his trackers
11:15 a.m. - Payloads closed out by this time
11:15 a.m. - Payload line completed
11:30 a.m. - Team GO/NO-GO poll for launch
11:45 a.m. - Skies Clear Check
12:00 p.m. - Liftoff

Live tracking and more at http://space.uah.edu/balloontracking/