Balloon Sat Flight

Flight: March 27th, 2010
8:00AM at NSSTC

The UAH Space Hardware Club actively flies Balloon Sat missions of various types throughout the year. This will be the first flight for the spring of 2010 and the 4th for the school year. Everyone is invited to attend the launch on Saturday morning from 8:00 to 9:30AM behind the NSSTC.

Tracker call signs: KJ4NKE-11 and KJ4NKE-12 (144.390MHz and 144.340MHz)

Live Position Tracking online at: Space.UAH.edu

Mission/Payload

1. Primary
   a. To fly a dosimeter for the Nursing in Space Committee (Nursing Dept.) to determine if the radiation conditions of BalloonSat flight at suitable for testing.
   b. To perform a “Range Test” for the new 900MHz XTend radios.

2. Secondary
   a. To take pictures throughout the flight.
   b. To achieve a club altitude record.
   c. To use the new ground station antennas and computers

Itinerary

8:00AM – Everyone will meet for flight preparations behind the NSSTC (34.724959N 86.645600W).
8:30AM – Ground station team will go to the Communications Lab in EB to prepare for flight.
9:15AM – The Space Hardware Club will launch from the NSSTC.
9:30AM – The chase team will immediately drive toward the expected landing location in Cleveland, TN.

11:30AM – The chase team will retrieve the payload and return to UAH