

BalloonSat Flight 54

Launch Operations: Sunday, November 20, 2016
UAH Greenway, Huntsville, Alabama
[34.724551N, 86.639790W](#)

Physoon is launching Geiger counters! The payload is the culmination of a month of work for the physics ballooning one month project. The payload will measure counts of alpha, beta and gamma radiation in the middle atmosphere. The flight will also re-fly Project Low Horizon, an attitude determining system that uses infrared sensors to detect the horizon, to obtain additional data.

Payload Manifest:

- Byonics APRS Tracker,
 - Callsign: K4UAH-12
 - APRS Beacon: 144.390MHz
- SPOT Tracker
- Main Parachute
- Physoon Payload
- Low Horizon Payload
- 1200g Balloon

Timeline:

Meet at VBH M25	8:30 AM
Team Departure to the Greenway	8:45 AM
Team Arrival at Launch Site/Unload	9:00 AM
Final Weather Check	9:00 AM
Begin Flight Ops	9:05 AM
Begin Balloon Fill	9:10 AM
Tracker Power-Up	9:40 AM
Ground Station Test	9:45 AM
Final Payload Check	9:50 AM
Launch	10:00 AM
Recovery	Immediately after Launch



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