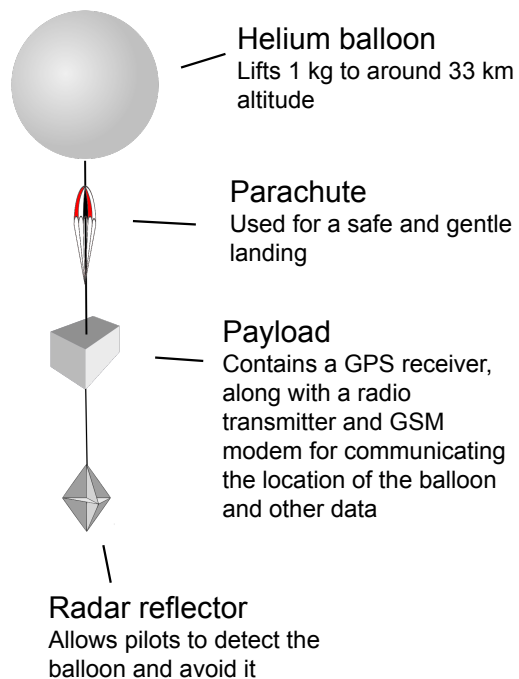


High-altitude balloon launch

Mission profile

Advances in digital photography and microcontroller technology have made it more easy than ever for citizen scientists to launch payloads into near-space, capture high quality footage, and recover it quickly. Our goal is to take video and still footage from an altitude of at least 30 km.

Balloon setup



Equipment on board

Go-Pro HD video camera, point-and-shoot digital camera with intervalometer, barometer, inertial measurement unit, radio transmitter, GPS receiver, GSM modem and mbed flight computer

Flight overview

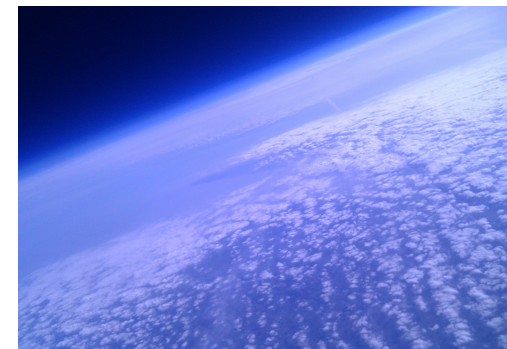
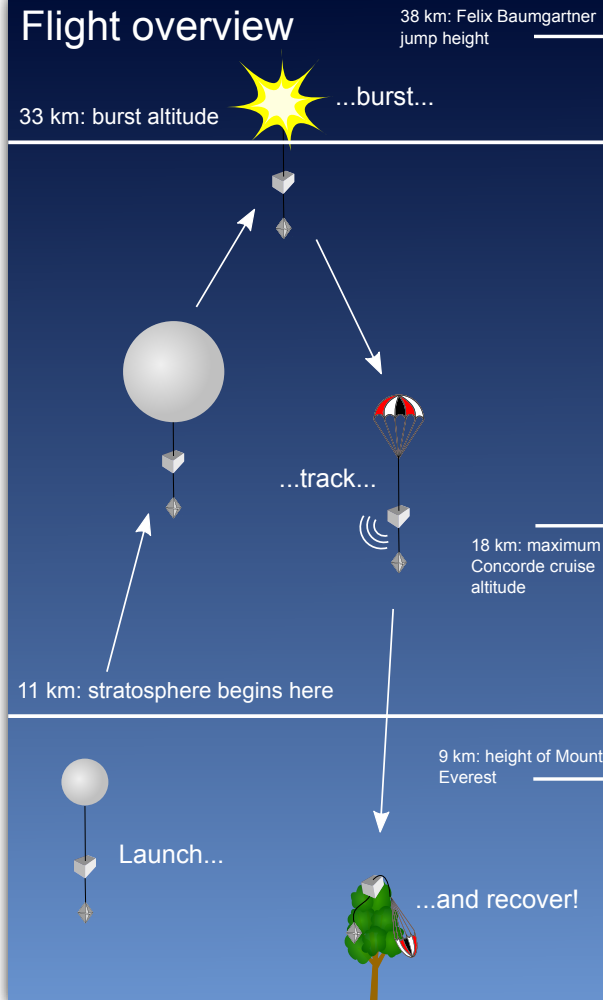


Photo courtesy of Cambridge University Space Flight

Flight checklist

- ☒ Constructed payload and radar reflector
- ☒ Tested sensors and radio/GSM/GPS
- ☒ Found launch site and gained permission from the Civil Aviation Authority
- ☒ Acquired balloon and helium

- ☒ Set date: 7th/8th June (weather permitting)
- ☐ Launched!

Launch location: Defford



Funded by the IOP, with contributions from Phoenix Specialist Products and Spirit Circuits. Thanks to Steve Randall of Random Engineering for his help with the launch logistics.