

## To Do

- Model atmosphere
  - Fraction of x-rays that get to an altitude as a  $f(\lambda)$
- Model potential sources
  - Create list of potential targets
  - Create simple model of X-ray spectrum - output in format that can use the atmospheric model
  - Determine target visibility from the UK
- Model detector
  - Get list of potential detectors
  - From available specification data try to estimate their performance with the data from above
  - Estimate their performance on a HAB
- Model payload
  - Design collimator
  - Design electronics and predict system performance
  - Determine housekeeping telemetry requirements
  - Determine best launch location
- Build & Test
  - Detector
  - Active control/IMU
  - RF
- Flight
  - Testing flights
  - Logistics
  - Flight docs