# Mission Criteria

## Primary Mission

1. The CanSat should transmit air temperature and barometric pressure to the ground at least once per second
2. The CanSat should comply with all of the CanSat guidelines, notably:
   1. It should have a maximum diameter of 66mm
   2. It should have a maximum length of 115mm, bar some exceptions
3. The CanSat should log all data both on the ground and in the Can.

## Secondary Mission

1. The CanSat should be able to fly comfortably, being relatively stable in the air and small winds
2. The CanSat should be capable of at least 5 minutes of flight.
3. The CanSat should be able to transmit further data, including relative humidity, thus allowing a computer to calculate the agricultural viability of the area.
4. The CanSat should be able to navigate to a set of co-ordinates autonomously.
5. The CanSat should also be able to controlled manually, if necessary.
6. The CanSat should be able to live stream video to the ground.