



Term 1 Progress Update

At the end of a very busy first term the WUSAT-3 team are pleased to report that progress is well under way and we'd like to share a quick update of what we've been up to.

Firstly, a quick reminder that we are in the process of designing a 3-Unit CubeSat satellite that is to locate the source of radio signals being emitted from Earth, with a particular interest in animal data tags. At present, teams are making progress in three key areas:

- Electronic Design – Communications and power system
- Attitude Determination Control System (ADCS)
- Mechanical Design of the CubeSat

A prototype electrical power system is to be built and tested next term. Communications requirements are being refined, allowing us to move towards designing some elements in the near future.

The ADCS team have been modelling the system that is to control the attitude of our CubeSat. Simulation and testing is to begin in the new year.

A preliminary design of the CubeSat's outer casing and mechanical components has been completed and is being manufactured in the new year.

Once again, thank you all for your continued support and interest in the WUSAT project. We wish you all the best for Christmas and the New Year.