

Core development to complete

- 1) Fix CRITICAL bugs in issue tracker
- 2) WOD or experiment files generated internally for download
- 3) Connect temporary real time clock for demo
- 4) Expire files and clean up
- 5) Telemetry to show status of the radios and filesystem
- 6) Support at least one command from ground - set the time, change baud, change mode

Potential ideas to push the state of the art

- 1) PACSAT to PACSAT Hub file transfer – e.g. CubeSat to Lunar gateway or test with CubeSat to ISS
- 2) Streamlined PACSAT File Header with less overhead. Define PACSAT Protocol V2
- 3) Forward Error Correction for broadcasts to enabled less capable ground stations e.g. school clubs
- 4) Faster downlink at 19k2 or higher to support science partners with more data intensive experiments such as cameras and radar