

Description of Research Project

The overall goal of the ThinSat mission, is to use 60 small experimental units, flown on 12 small satellites in Extreme Low Earth Orbit, to advance STEM education and promote space science research and systems engineering for grades 4 – 12 and universities. It includes approximately 70 schools from nine states. The student teams will analyze the data collected by their experiment and submit a report detailing their findings. The students can track their experiment and receive data in near real time through the Globalstar network and the Space Data Dashboard. The students can compare data from previous missions and from other student data within a mission. Additionally, online content and resources will enhance the educational experience.

The Special Temporary Authority license requested, is necessary to authorize radio transmission of data between the ThinSat experiments and ThinSat mission operations.