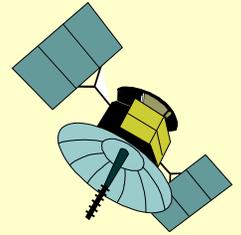




Spacecraft Research & Design Center

Department of Aeronautics and Astronautics
Naval Postgraduate School



FLTSATCOM SATELLITE



The Fleet Satellite Communications (FLTSATCOM) is a geosynchronous communications satellite, built by TRW and the first satellite was launched in 1975. Objectives of the FLTSATCOM laboratory:

- Provide NPS students familiarization of spacecraft hardware and sub-systems in laboratory courses
- Enable students to send commands and receive telemetry for actual components such as: reaction wheels, solar array drive, and thrusters.
- Improve research on TT&C (Telemetry, Tracking, and Commanding) and ISCS (Integrated Satellite Control System) in cooperation with the Naval Satellite Operations Center (NAVSOC) in Point Mugu.

Theses

1. Ham, W. K., "Telemetry Systems Analysis and Design," MS Thesis, Naval Postgraduate School, December 1999.
2. Price, D., "Geostationary Satellite Simulation," MS Thesis, Naval Postgraduate School, December 1991.
3. Akana, W. T., "Fltsatcom Simulator," MS Thesis, Naval Postgraduate School, September 1991.

Publication

1. B. N. Agrawal, "High Latitude Communications Satellite," *Navy Engineer Journal*, July 1993.