NCALM

NATIONAL CENTER FOR AIRBORNE LASER MAPPING

Selected LiDAR projects 2003-2006

About the Center

The National Science Foundation (NSF) funded National Center for Airborne Laser Mapping (NCALM) is operated jointly by the Department of Civil & Coastal Engineering, College of Engineering, University of Florida (UF) and the Department of Earth & Planetary Science, University of California, Berkeley (UCB).

The state-of-the-art laser surveying instrumentation (OPTECH) and GPS systems, which are installed in a Cessna 337 Skymaster twin-engine aircraft, collects data in areas selected through the competitive NSF grant review process.

In addition to regular grant surveys, each year NCALM selects and executes several "seed projects" based on graduate students proposals from different areas of research in geo-sciences. Once funded, PIs and their students will be able to participate in all phases of the work.

The ALSM observations are processed and analyzed both at UF and UCB, and made available to the PI through an archiving and distribution center at UCB that builds upon the Berkeley Seismological Laboratory (BSL) Northern California Earthquake Data Center system.

The **NCALM Project Tracker** leverages the Berkeley Mapper infrastructure implemented at Berkeley Natural History Museums (using the Minnesota Maps Server and Google Maps technologies) to provide up to date information on all NCALM projects.

The **NCALM Data Distribution Center** provides free access to high-resolution ALSM data from project that had become public. Currently users can download seamless ArcInfo elevation grids of up to 40sq.km from the Napa and EEL River projects. Several other projects will be added in 2007.

The Project Tracker and Data Distribution Center are available online at *http://ncalm.berkeley.edu*

For more information about the center, latest news and proposal development guidelines, visit *http://www.ncalm.org*