Current State of the ILRS

Carey Noll/NASA GSFC, Greenbelt MD, USA Michael Pearlman/Harvard-Smithsonian Center for Astrophysics, Cambridge MA, USA

The International Laser Ranging Service (ILRS) has supported the global scientific community for over twenty years. The service coordinates laser ranging observations to a wide range of orbiting satellites equipped with retroreflectors, ensuring these data and their derived products are made available to the users in a timely fashion. In addition, analysis centers continue to provide standard products for diverse applications and challenge their capabilities to refine these products. Over the years, the ILRS has continued to address challenges in all areas of the service, most recently our ability to support an ever-increasing list of targets through a network of stations with varying capabilities.

This talk will provide a summary of the current state, and recent progress, of the service, in particular improvements in data operations, statistics from recent campaigns, assessment of network performance, developments in mission support, and recent plans in the analysis area.