

Large Synoptic Survey Telescope

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Overview of the LSST Observatory System

D. Sweeney (LSSTC/LLNL), J.A. Tyson (UCD), T. Axelrod (LSSTC/UA), C.F. Claver (NOAO), K. Fouts (SLAC), D.K. Gilmore (SLAC), Z. Ivezic (UW), S.M. Kahn (SLAC), J. Kantor (LSSTC), V.L. Krabbendam (NOAO) and the LSST Collaboration

The LSST will survey half the sky every few nights in six visible bands. The etendue of the LSST system (an optical measure of the information gathering capability) is 320 m²deg² and is far greater than any other telescope. The LSST system provides an end-to-end astronomical survey facility to acquire process, analyze, catalog, and preserve the world's largest database of optical astronomical data. LSST will also open the time domain for studies of transient and moving objects. Data Access Centers will be strategically located to provide the user community with high-speed, open access to the many petabytes of new information generated each year of the planned ten year survey. The LSST Observatory will be sited atop Cerro Pachón in Northern Chile.











