Prompt

Real Time Difference Image Analysis (DIA)

A stream of ~10 million time-domain events per night (Alerts), detected characterized and transmitted to event distribution networks with 60 seconds of shutter close.

A catalog of orbits for ~6 million bodies in the Solar System

Data Release

Reduced single-epoch & deep co-added images, reprocessed DIA products

A catalog of ~37 billion objects (20B galaxies, 17B stars), ~7 trillion observations ("sources"), and ~30 trillion measurements ("forced sources"), produced annually and accessible through online databases.

User Generated

User-produced added-value data products

Deep KBO/NEO, variable star classifications, shear maps, etc …

Enabled by services and computing resources at the LSST Data Access Centers (DACs) and via the LSST Science Platform

LSST Data Product Categories (LPM-231) & DM Data Products & Key Numbers