

SkyMapper and Supernovae

Richard Scalzo
Australian National University

Abstract

The SkyMapper Southern Sky Survey will be a wide-area digital survey of the southern sky, run from the robotic 1.3-m SkyMapper telescope at Siding Spring Observatory near Coonabarabran, NSW, Australia. The survey will include a supernova search run during poor seeing time, run as a rolling search to produce high-quality light curves for Hubble diagram cosmology. The search is currently taking data in science verification mode. I will briefly describe SkyMapper and then give an overview of supernova search activities, including pipeline design, operations, and interaction with the community.