Scientific Objectives

General

First synoptic flux monitoring of numerous non-binary sources

Active Galactic Nuclei

Reverberation studies ⇒ central engine geometry

Binary or other periodicities ⇒ mass, geometry, source of matter

Variability timescales ⇒ mass vs. luminosity relationship

Measured delay in lensed sources ⇒ H_0

Transients

Positions of fast x-ray transients ⇒ optical counterparts

γRB positions ⇒ test repetition, confirm galactic distribution

Cataclysmic variables

Numerous x-ray/optical light curves ⇒ test outburst models

Coronal Sources

Rotation periods ⇒ stellar diameter, test $v_{rotation}$-L_x relationship

Activity pattern with class ⇒ identify transitions in dynamo behavior

Supernovae

Detect flash ⇒ multiwavelength observations of rise to maximum