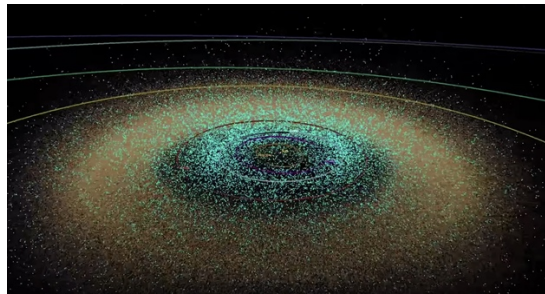


Asteroid Detection Systems



Potentially Dangerous Asteroids



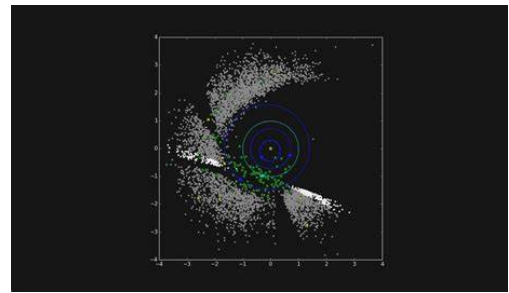
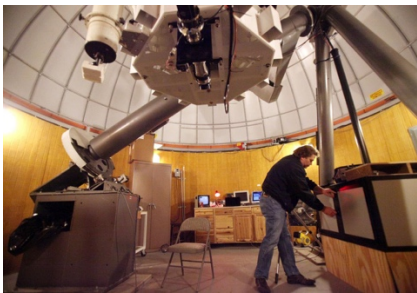
NASA has cataloged 95 percent of all asteroids capable of causing global catastrophe

- Objects included in this count must be at least 460 feet across
- Of this 95 percent catalog, none are expected to present a problem for over a century

The process of cataloging smaller space debris is ongoing, smaller asteroids are still capable of creating significant harm and loss of life on a local level

- The meteoroid that hit Chelyabinsk in 2013 was only 60 feet across but injured over 1200 people and damaged buildings in a 58-mile radius

Preparing for Asteroids



Several telescope programs in existence already receive federal support

- Catalina Sky Survey in Tucson, Arizona
- Pan-STARRS1 in Maui, Hawaii
- NEOWISE in space with data processing hosted at Caltech

New opportunities for telescope programs should be sought out and acted upon