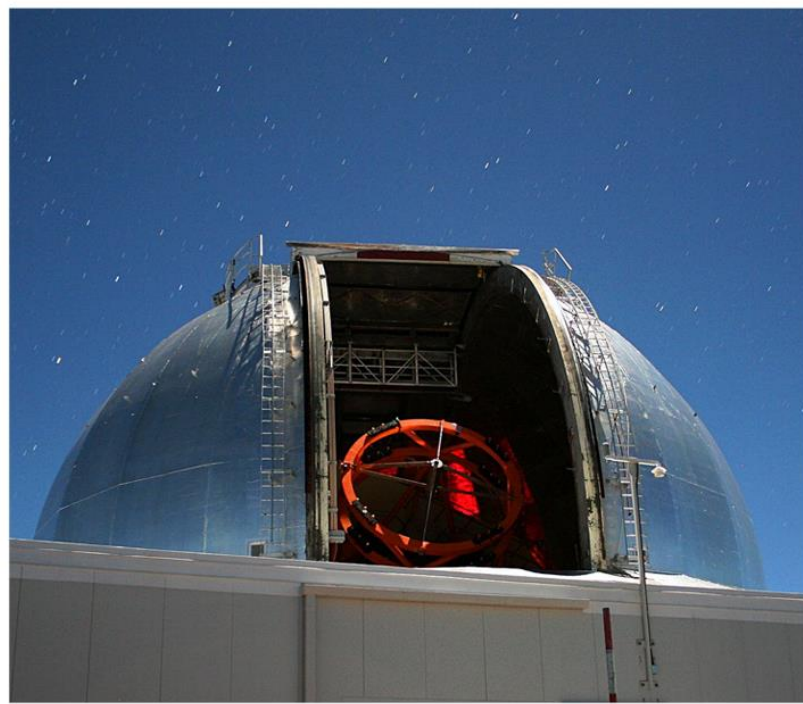
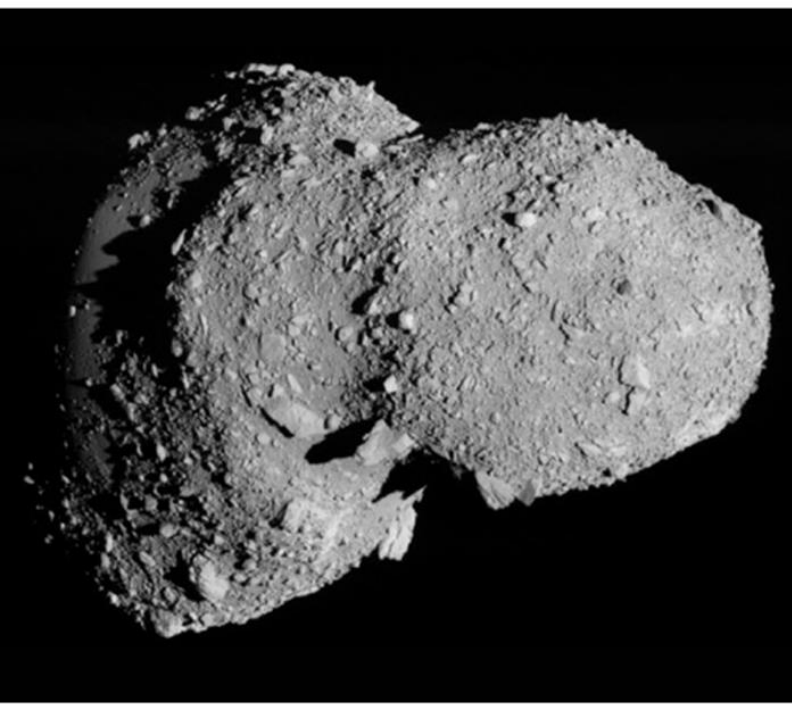


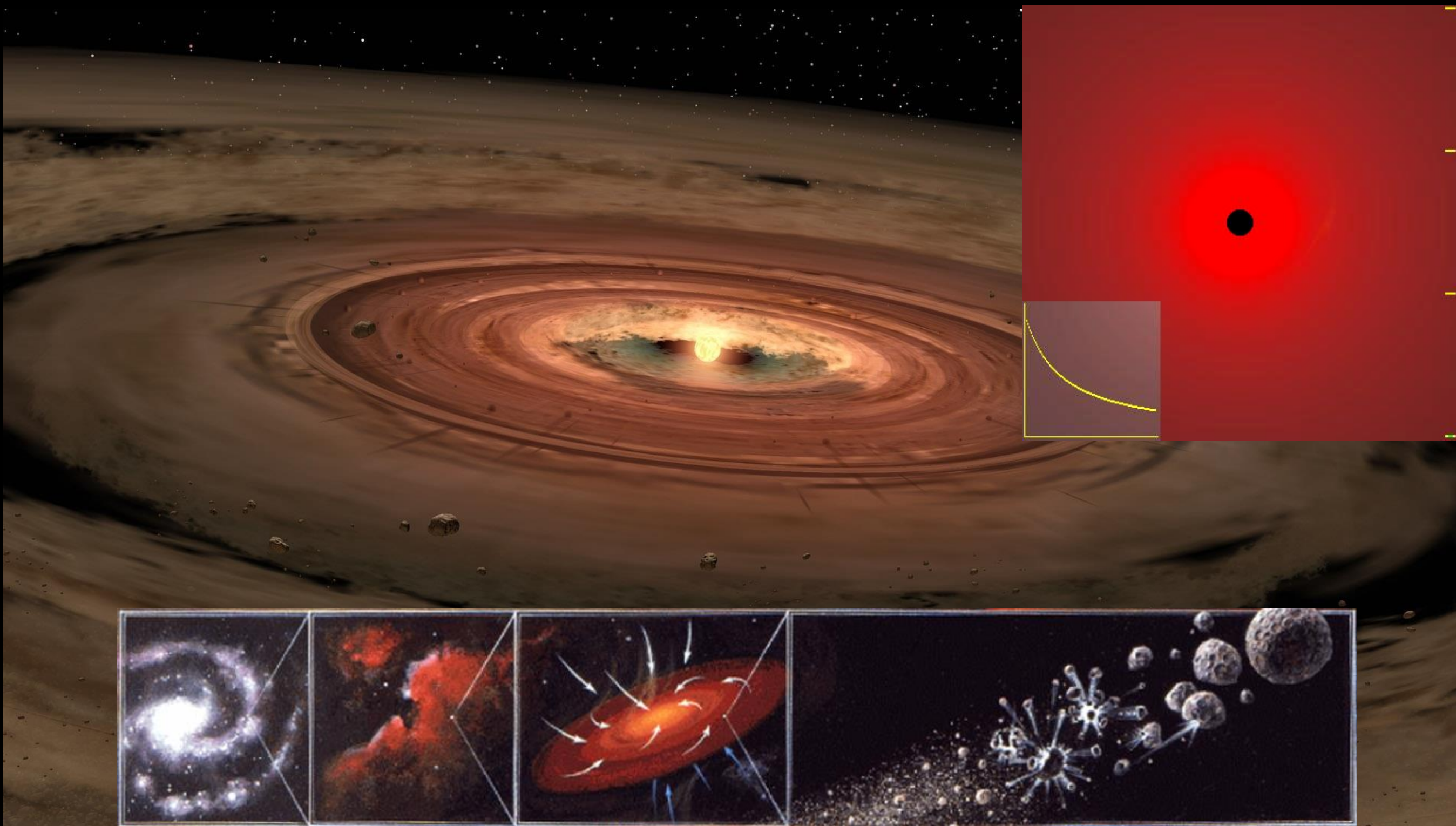
Asteroid Redirect Mission and Science

John M. Grunsfeld, Ph.D.

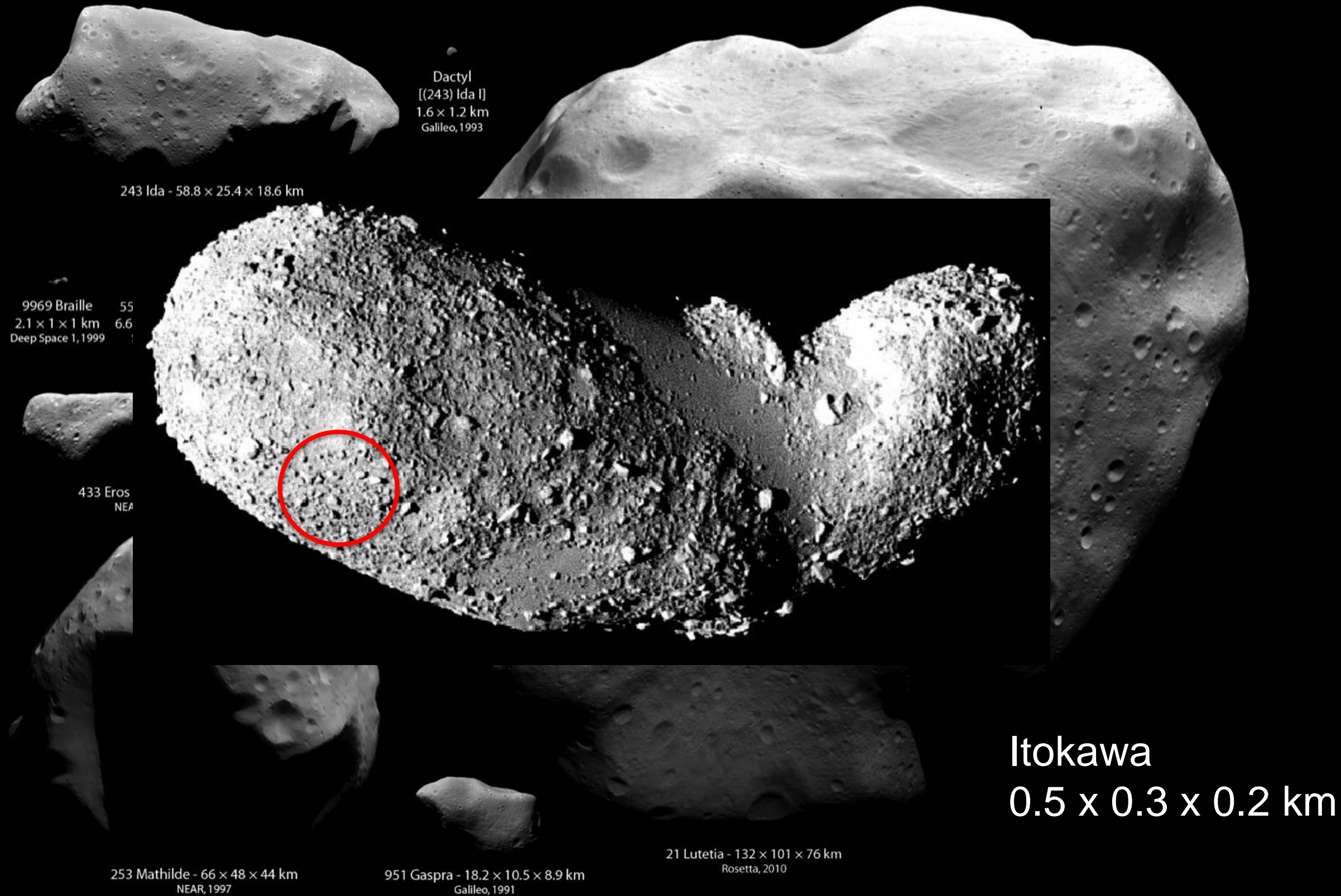
NASA Associate Administrator for Science



Why Study Asteroids?

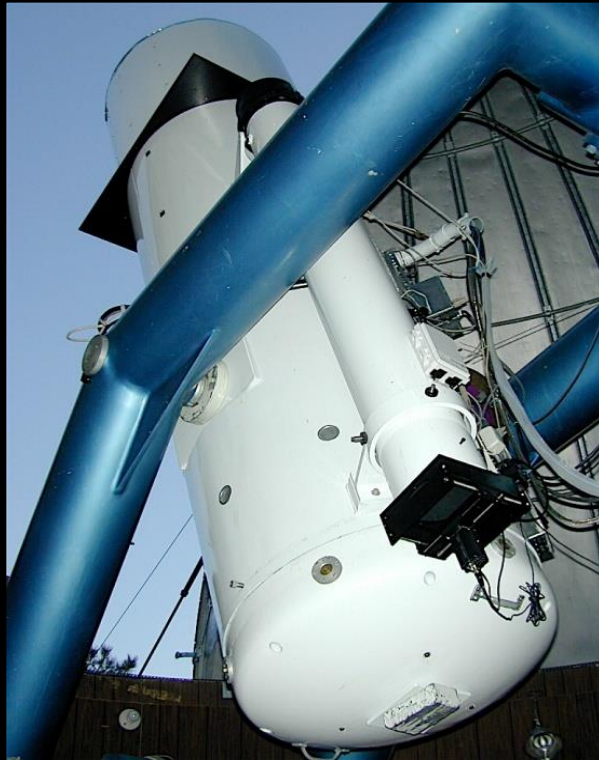


Exploration of Asteroids



NEO Observation Program

Optical Capabilities



Catalina Sky Survey



LINEAR



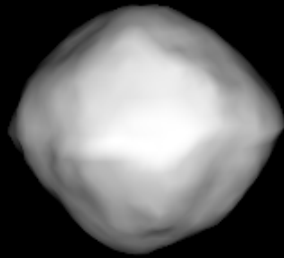
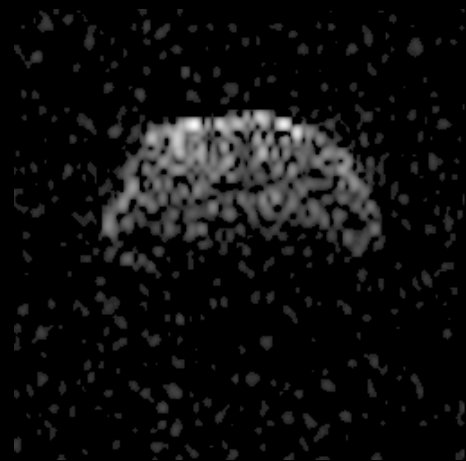
Asteroid 2012 DA14
Feb. 15, 2013

Pan-STARRS 1



NEO Observation Program

Radar Capabilities



Bennu (1999 RQ36)



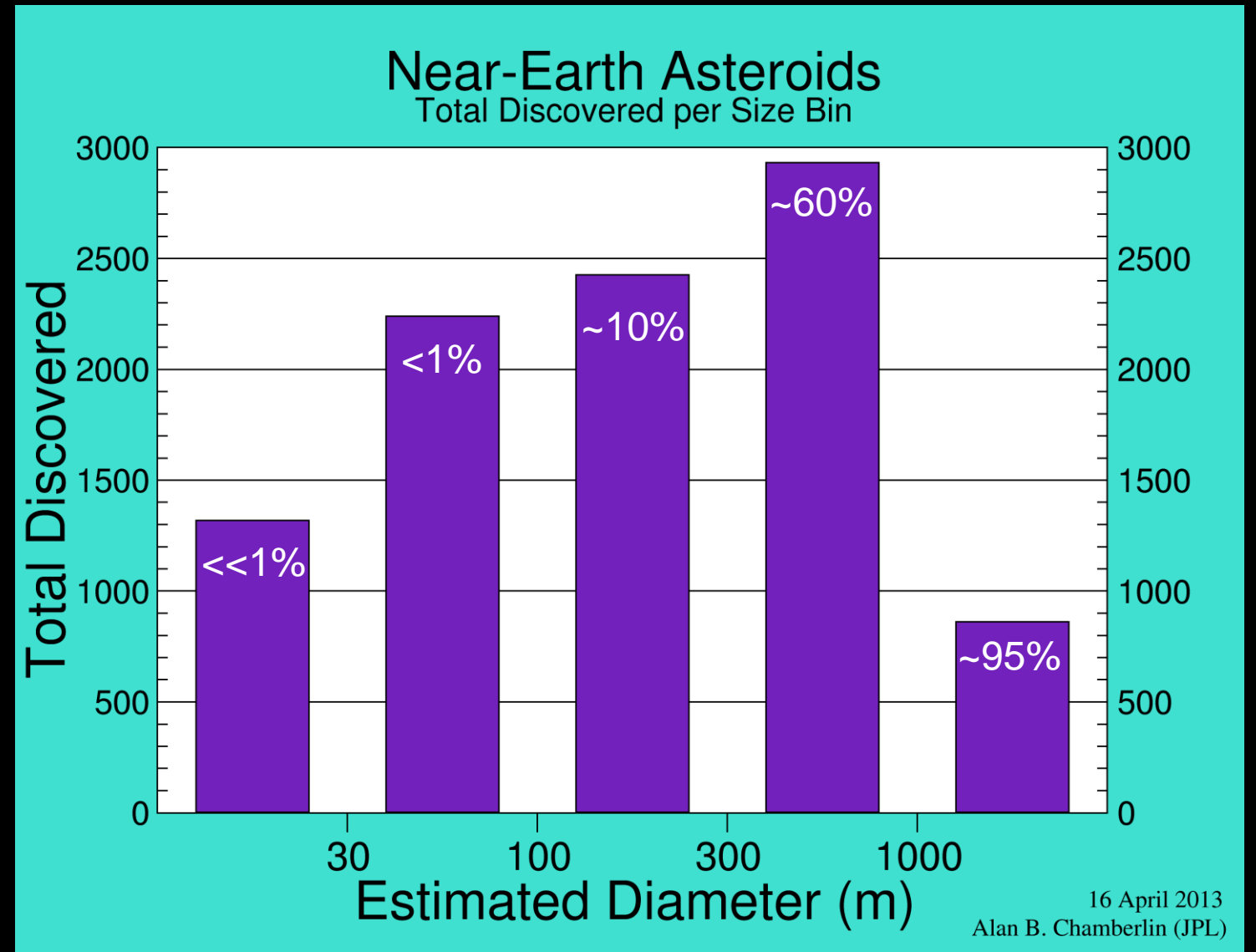
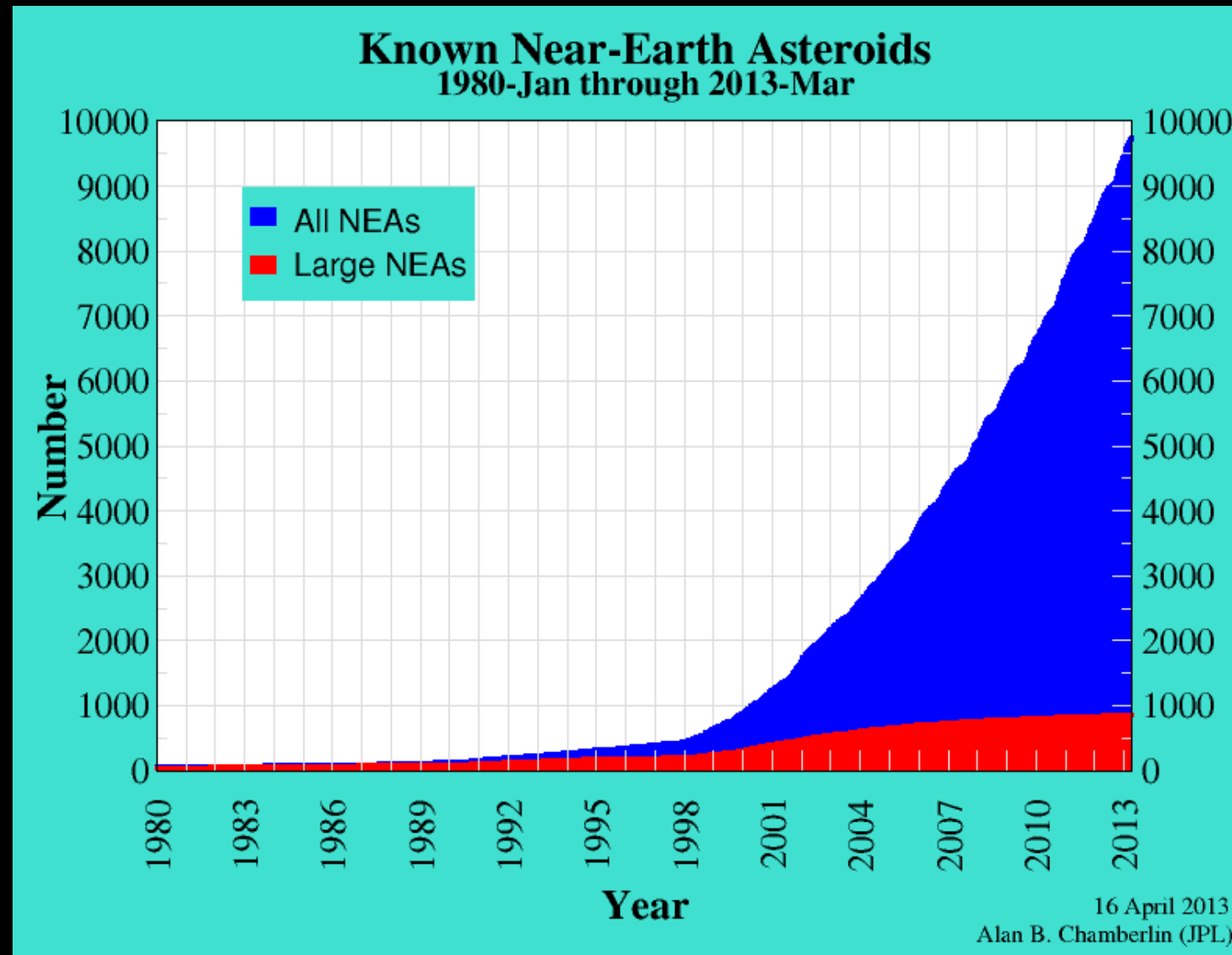
Arecibo Observatory



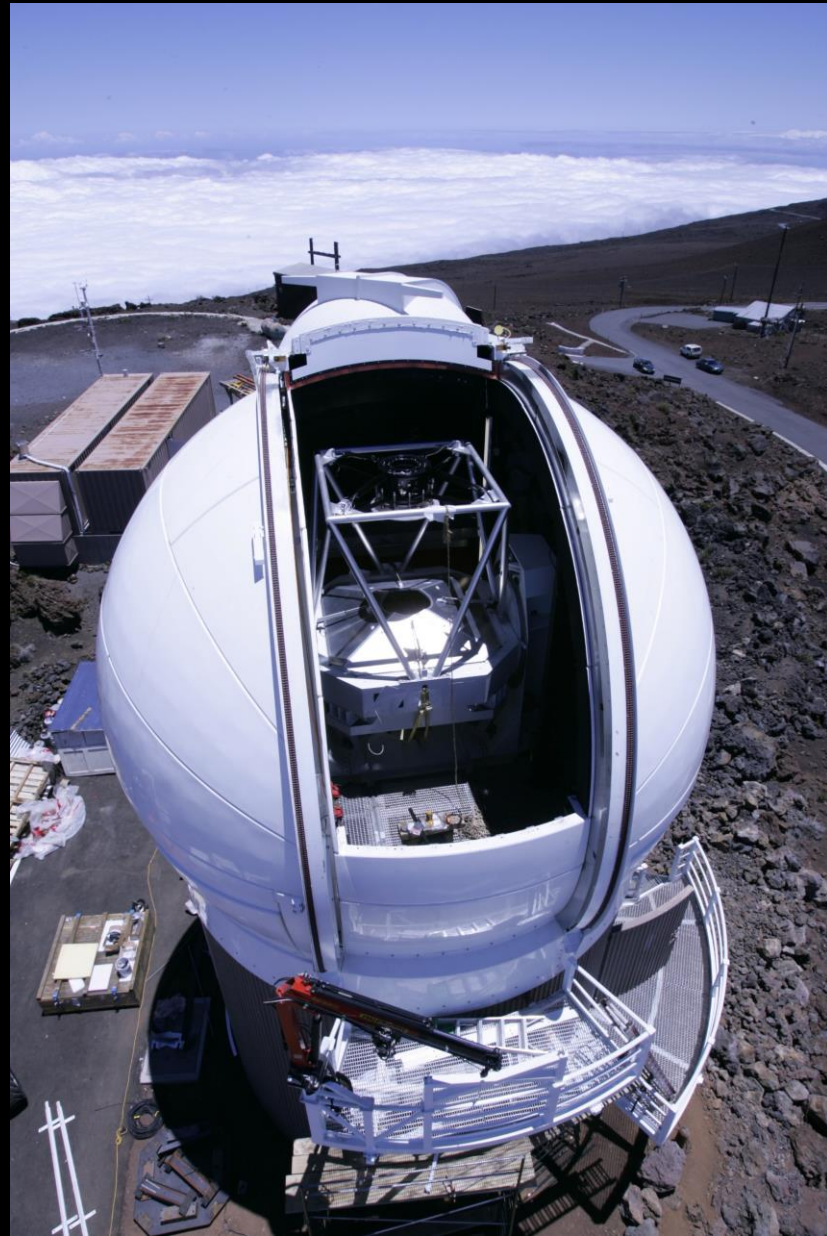
Goldstone Observatory

NEO Observation Program

Current Status



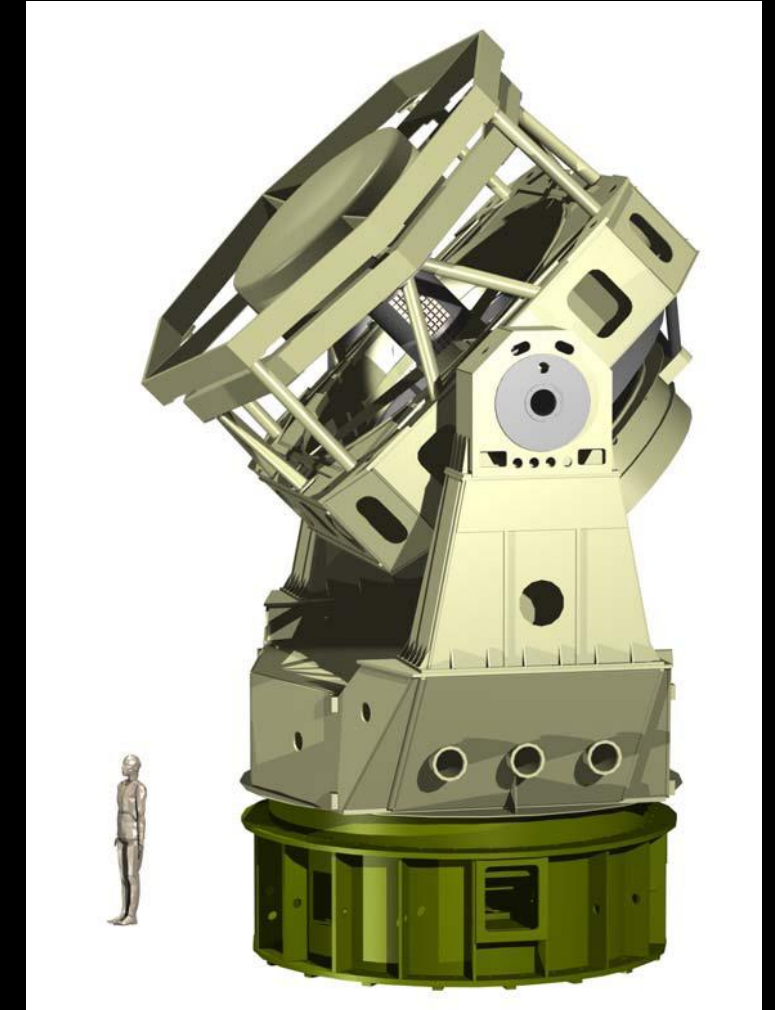
NEO Observation Program Enhancement Options



Pan-STARRS



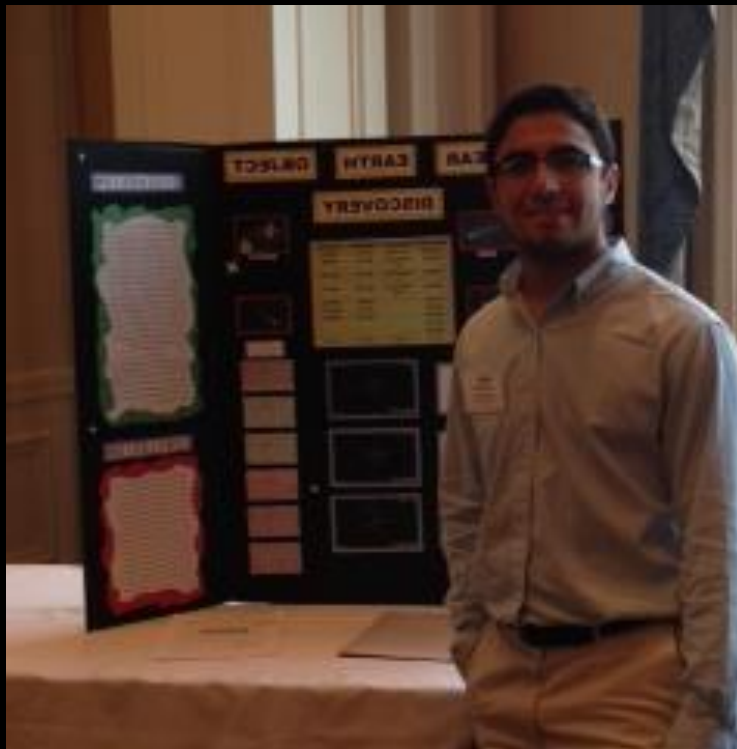
NASA Infra-Red Telescope
Facility



Space Surveillance
Telescope

Citizen Science

The International Astronomical Search Collaboration (IASC) is an educational outreach program provided at no cost to participating high schools and colleges.



<http://iasc.hsutx.edu>

Welcome!! International Astronomical Search Collaboration (IASC = "Isaac")

The All-India Asteroid Search Campaign-2 (AIASC-2) has started. In this campaign there are 30 schools participating from India. Happy Hunting!!

It is important that you understand how to use Astrometrica, identify true and false signatures (i.e., not all moving things are asteroids), and prepare a clean and accurate MPC report. If you can do these things, your students will be successful in discovering new Main Belt asteroids and making important near-Earth object observations.

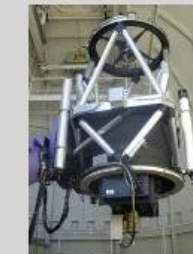
For 2013 the forthcoming IASC search campaign dates are the following:

| | | | |
|---------|----------|----------------|---|
| | Apr. 28 | June 2, 2013 | International Asteroid Search Campaign* |
| | Apr. 28 | June 2, 2013 | All-India Asteroid Search Campaign-1* |
| | June 3 | July 8, 2013 | All-India Asteroid Search Campaign-2* |
| *Closed | | Aug. 13, 2013 | |
| | July 9 | 2013 | All-India Asteroid Search Campaign-3 |
| | | Sept. 18, 2013 | |
| | Aug. 14 | 2013 | International Asteroid Search Campaign |
| | | Sept. 18, 2013 | |
| | Aug. 14 | 2013 | Space Generation Advisory Council Asteroid Campaign |
| | Sept. 20 | Oct. 25, 2013 | All-Venezuela Asteroid Search Campaign |
| | Sept. 20 | Oct. 25, 2013 | All-Uruguay Asteroid Search Campaign |
| | Oct. 27 | Dec. 1, 2013 | Larger Asteroids! Asteroid Search Campaign |

If your school would like to participate in the IASC search campaigns, contact the IASC Director, Dr. J. Patrick Miller by email at iascsearch@hsutx.edu. Campaigns usually fill up 180 days prior to their starting date.



32" Prime Focus Telescope
Astronomical Research Institute



50" RCT Telescope
Western Kentucky University



24" Nighthawk CC06 Telescope
Sierra Stars Observatory



32" Schulman Telescope
Mt. Lemmon SkyCenter



32" Ritchey-Chrétien Telescope
Tarleton State University

[ARI Observatory Cloud Coverage](#)

[MPC Orbital Database](#)

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