

Near-Earth Object Survey Summary: The Minor Planet Center Perspective

Title:

Dr.

First Name/ Given Name/ Prenom:

Timothy

Last Name/Surname/nom:

Spahr

Organization:

Smithsonian Astrophysical Observatory

tspahr@cfa.harvard.edu

Past and current Near-Earth Object (NEO) survey teams have done a splendid job of detecting, discovering, and cataloging minor planets, both routine and potentially hazardous. This presentation will provide a brief historical background of the NEO survey effort, and then dive directly into the statistics of the current operations. Sky coverage, survey faint limit, absolute magnitude of NEO discoveries, as well as main-belt asteroid detection efficiency will be presented. Further, the follow-up of NEO discoveries will be discussed. As of this writing, there is some redundancy both in survey field locations and targeted follow-up selection; some possible means to alleviate this duplication of efforts will be discussed.