

23 Jun 2008

Bob Holmes

50th GRINDING MACHINE.

OPTICAL work MICHAEL LOCKWOOD.

0.81 m and 0.61 m astrograph.

ARO - 2nd in world - NEOs

22nd ARO #1 in world.

23rd mag in world # in world.

Killer Asteroid project. - many High School.

Chinese Teams

Bogden Poland.

▷ DATTOLI checks all DATA - RECHECKS -

Skowron - Poland

JHOU - Shizouka

GHOU - Portugal

Cape Fear - 144 NEO - most productive student in world.

BROTHERMAN, VA Cordova CA.

AMERICAN FORCE

89% Success rate (1 image - success)

NASA Listed NEOs -

HELP NASA SAFEGUARD EARTH FROM PHA.

Get NAMES OF STUDENTS FOR AWARDS (450 medals 60 plaques).

Future of Asteroid research.

Jun 30 1908 - 100th anniversary.

1989 300 m diameter missed Earth by only 6 hrs - and we didn't see it coming

Apophis - 2.08 hrs. in 2029 - 2036? ^{don't know}

MARLAN

How to use ASTRONOMETRICA

Download images -
WS PTP.

Astrometrica update orbitals.
update all.
open all

Automatic data reduction → opened 5 images.

Star catalog.

Moving object detection, -

3rd order fit? → cubic fit stretch starfield compared to catalog.

choice in configuration ↗

low puc number

Create report.

Known object overlay.

(EXPAND - move to corner + expand once)

SNR 3.3 - marginal.

Magnitude 21

Stack and track, - 13 together x 3

Coordinates stack and track.

Makes stars streak and hold asteroid still.

A Trick at Cape Fear -

reuse some images - put 15 in EACH since
- check for linearity.

Bring up magnifying glass

click on it.

Now - better SNR and.

Go to report copy pieces - paste to Excel.
 R^2 1.5 mag diff - reject

Paste into e-mail - do ~~set~~ screen shot of
excel graph send to Bob Holmes.