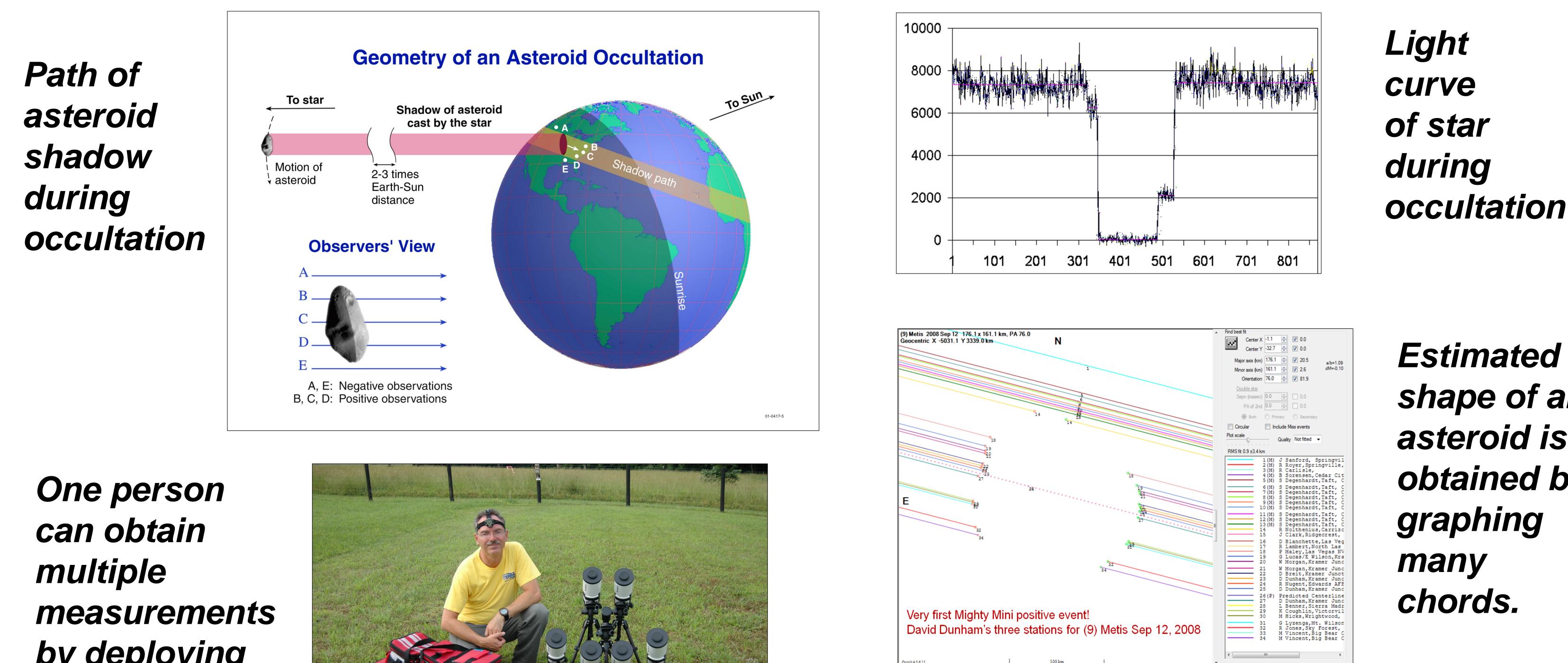
International Occultation **Timing Association**

IOTA is the primary scientific organization that predicts, observes and analyzes lunar and asteroid occultations and solar eclipses



As an amateur astronomer, you are welcome to join us in the the hunt for new scientific data as we "chase the shadows!"

Since 1962, IOTA members have travelled worldwide to observe and record occultations and eclipses.



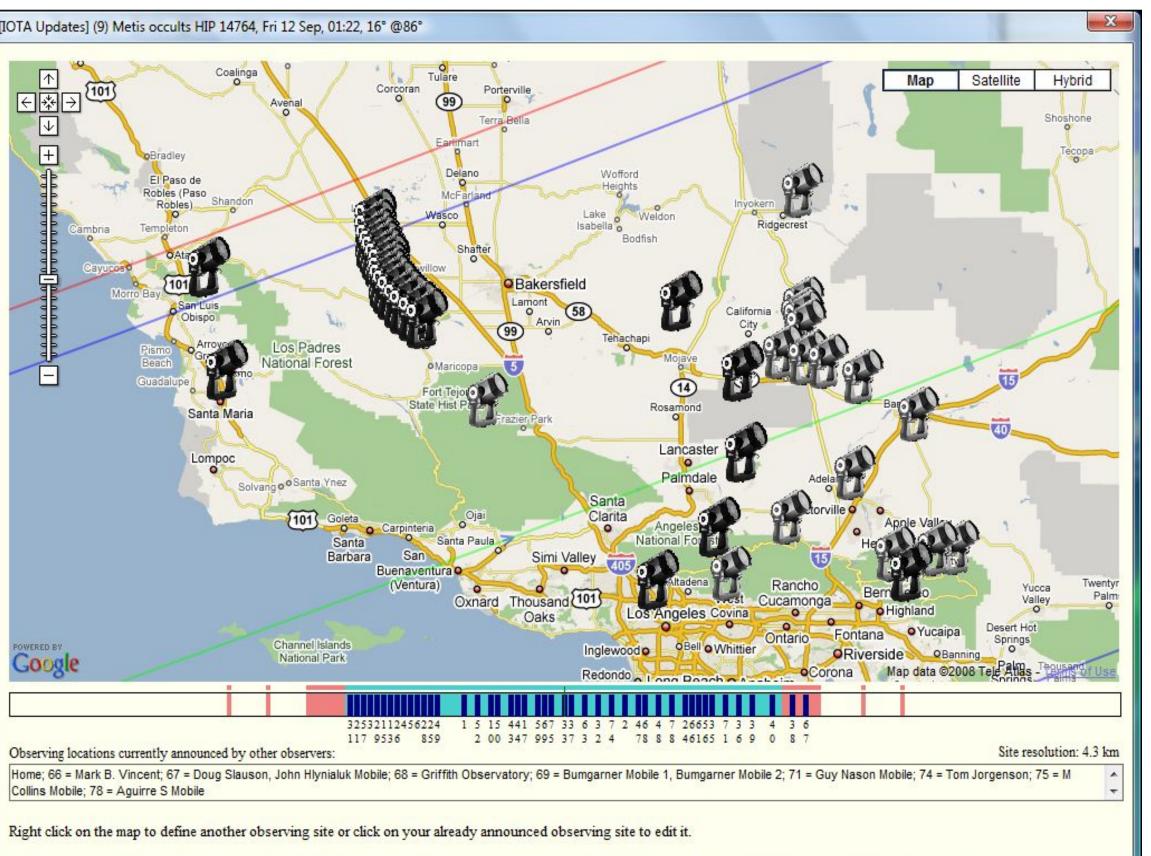


by deploying multiple telescopes.



Estimated shape of an asteroid is

obtained by graphing chords.





Scott Degenhardt with a Mighty-Mini and 6 80-mm scopes prepared for an early multi-station attempt.

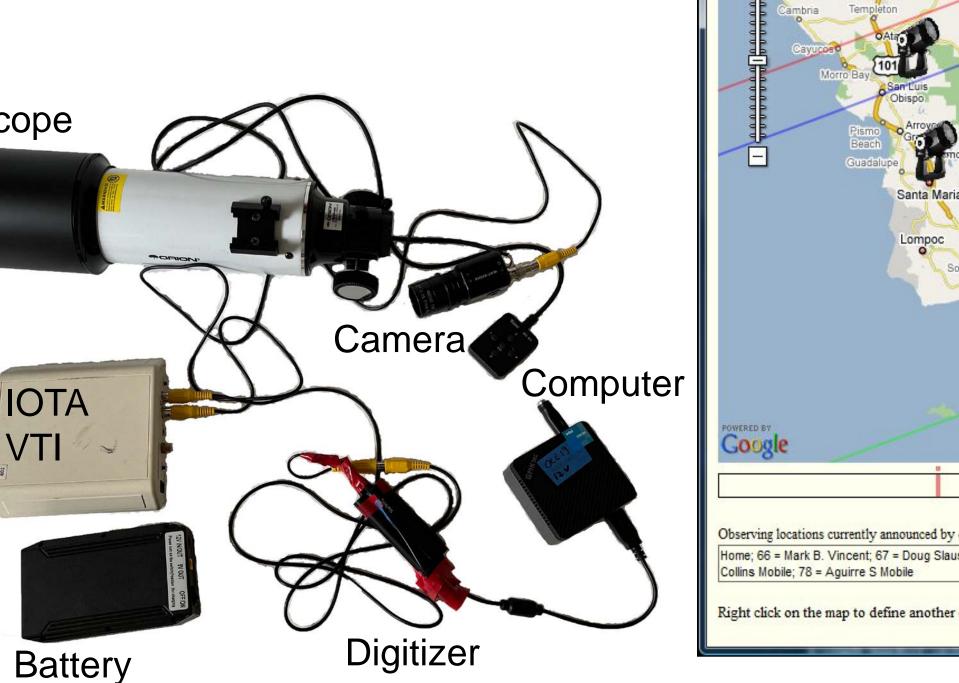
Scope

VTI

- Mighty Mini (half of a 10x50 binoculars plus 3-D printed cylinder and housing)
- RunCam Astro with 0.5 focal reducer
- Limiting magnitude 9.2 with minimal integration

80-mm Orion short-tube refractor

- Watec 910HX camera with 0.5 focal reducer
- IOTA VTI GPS time inserter
- StarTech SVID2USB232 digitizer
- GMTek NUC Win 11 computer
- TalentCell 12V lithium battery to power camera, computer, and VTI (cables not shown)
- Limiting magnitude 10.5 with mnimal integration



using "Occult Watcher" service to avoid overlap and maximize coverage.