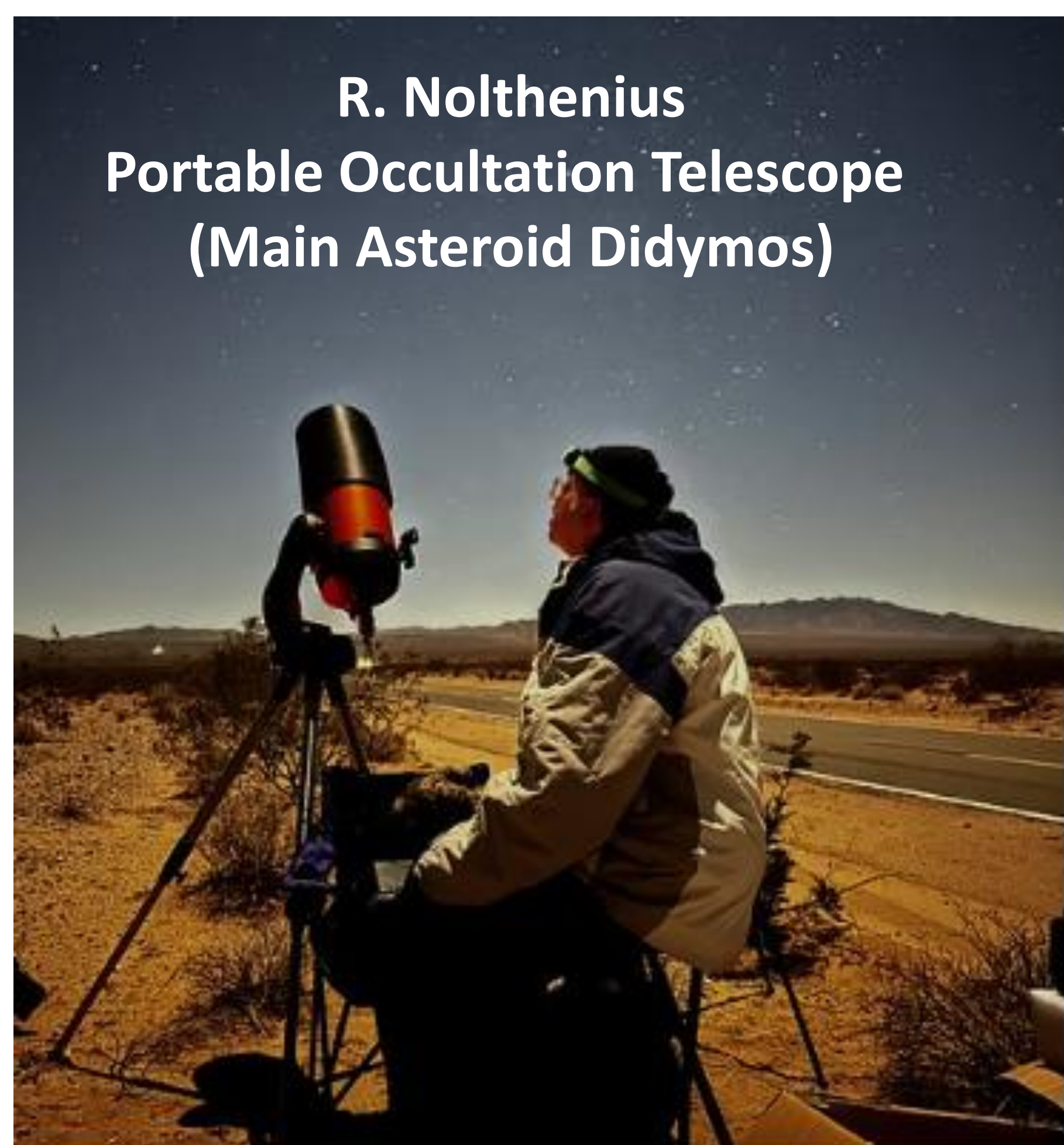
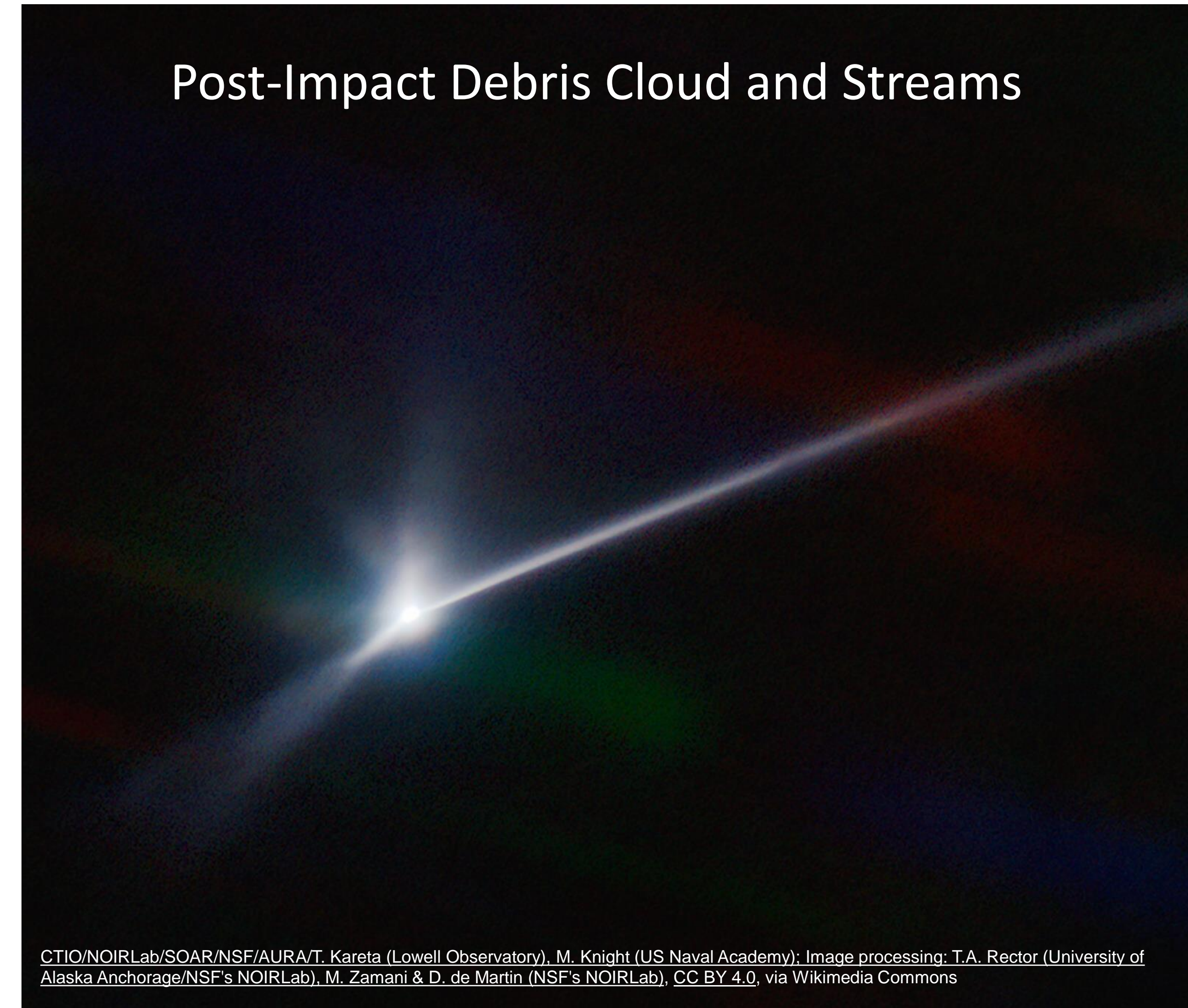
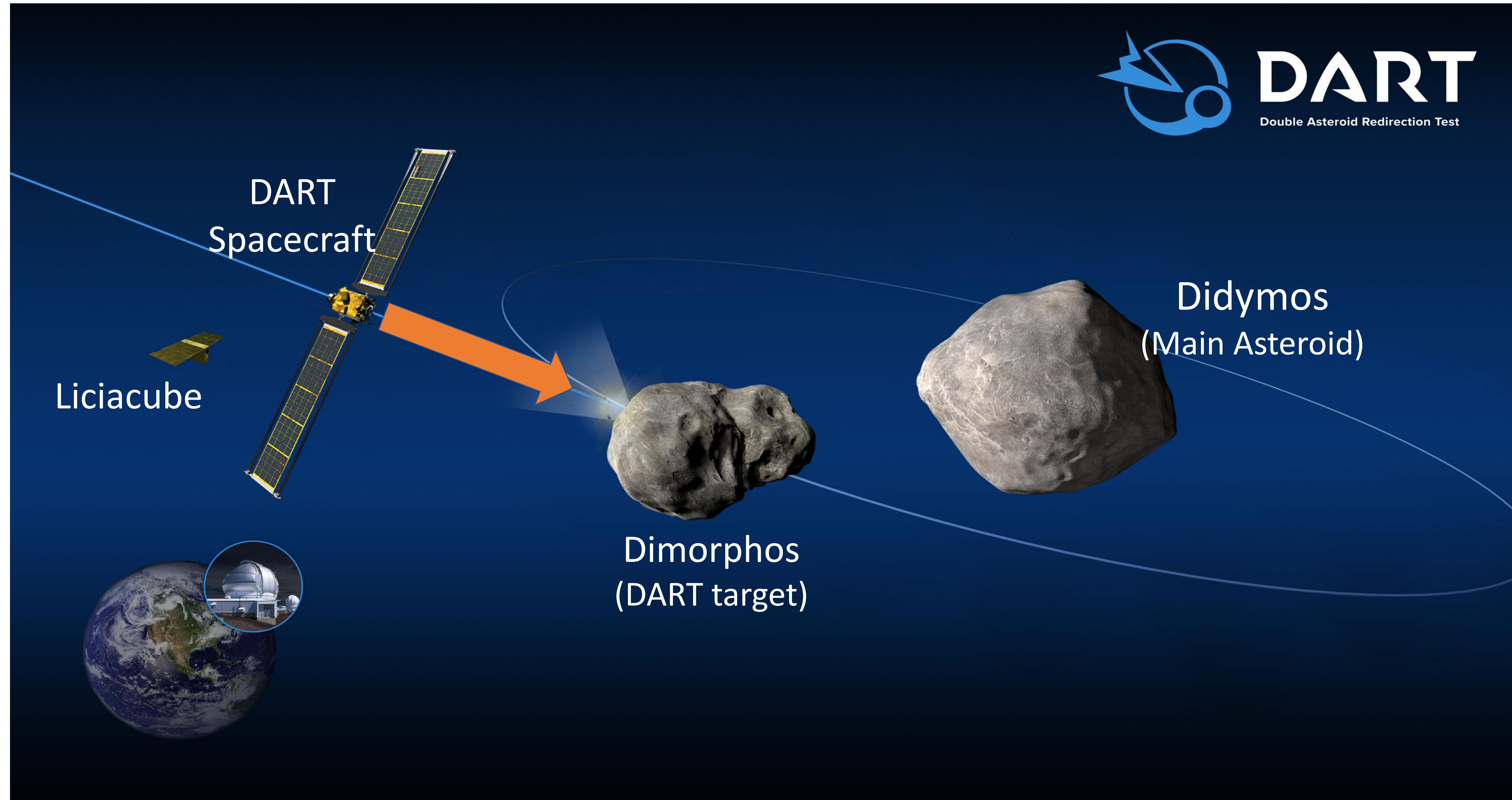
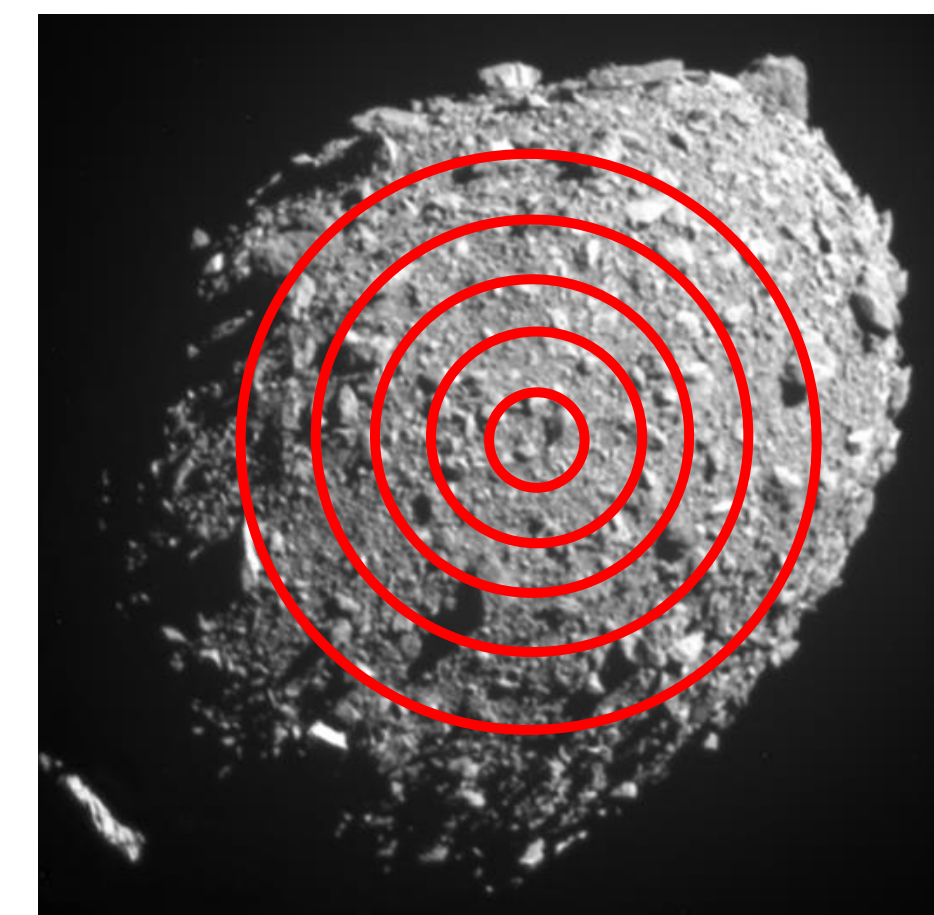
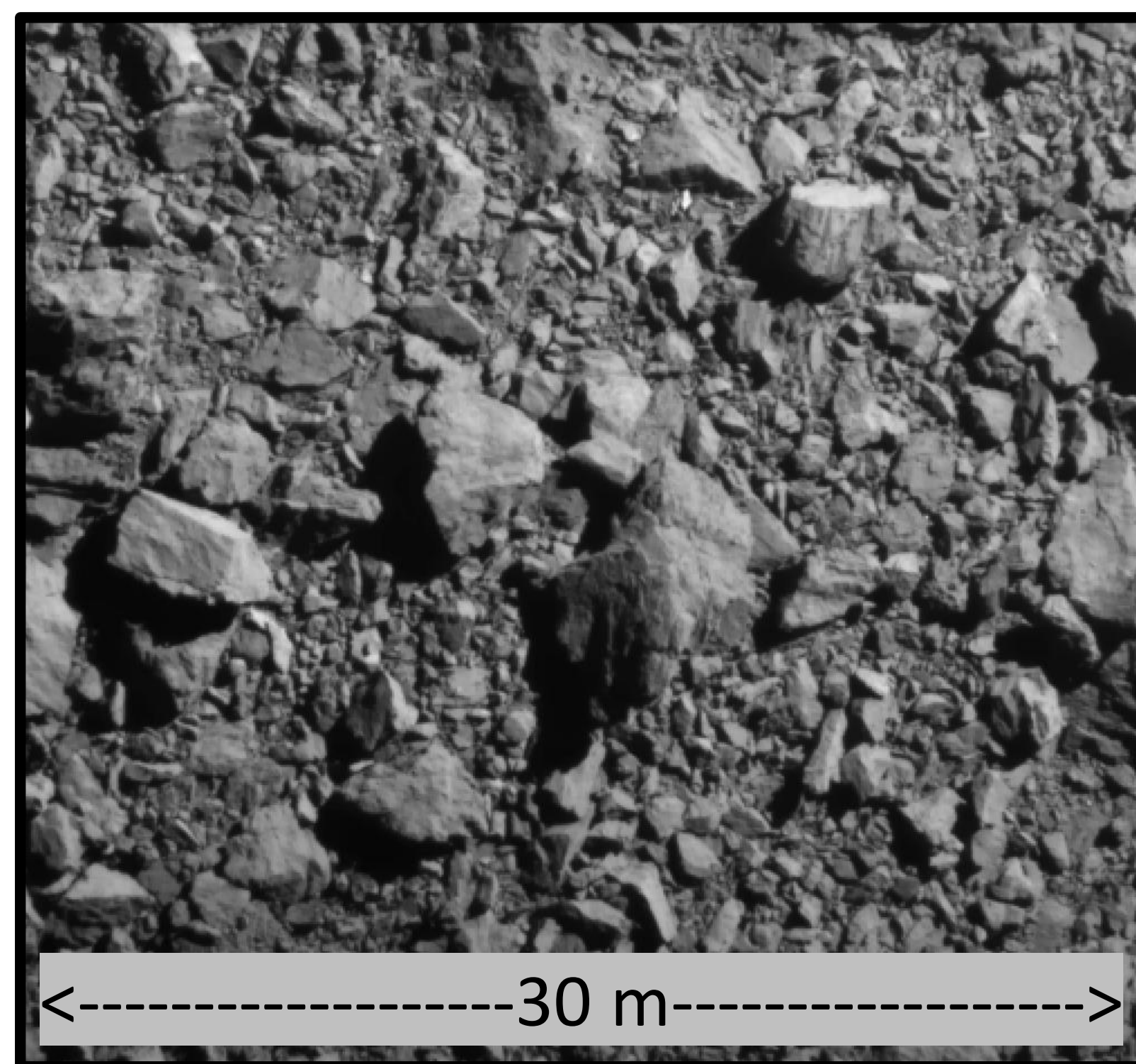


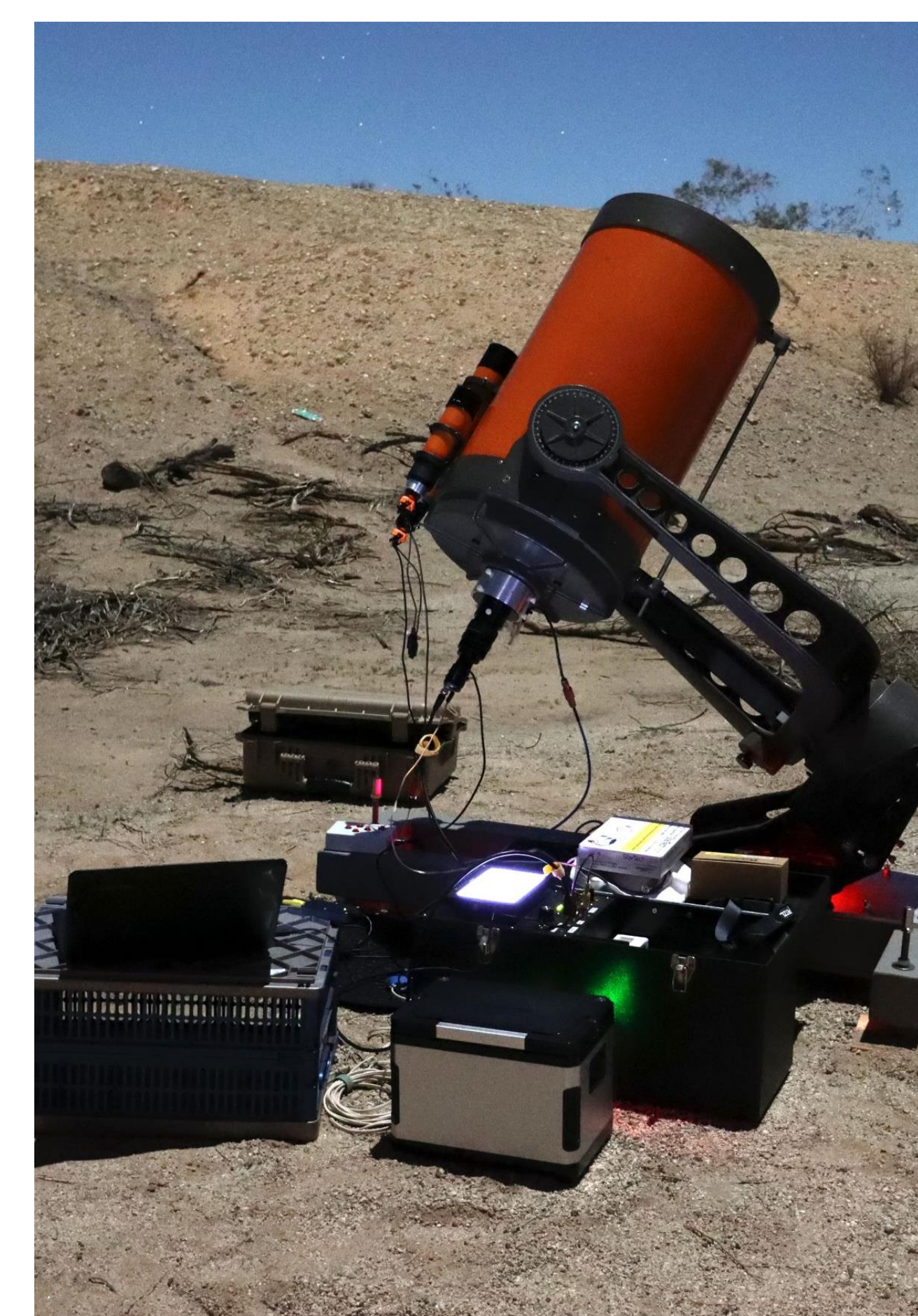
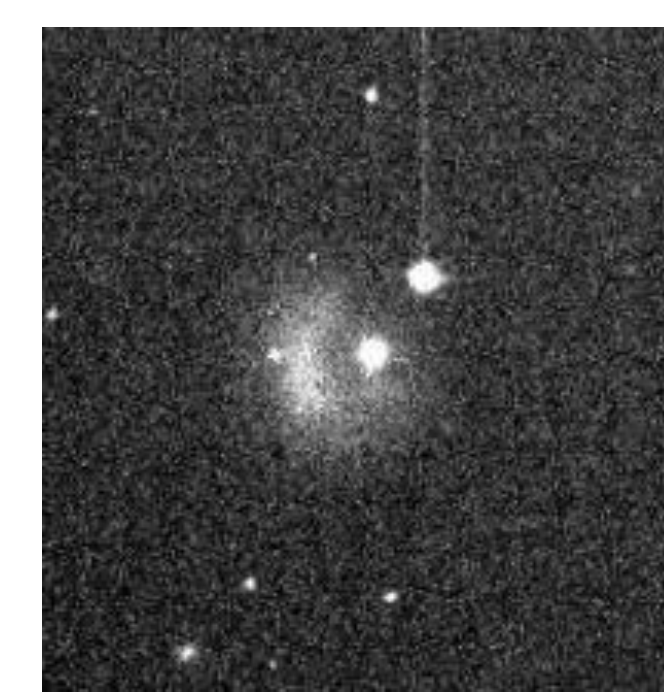
Amateur Occultation Measurements Provide Accurate Post-Impact Astrometry for DART Target System



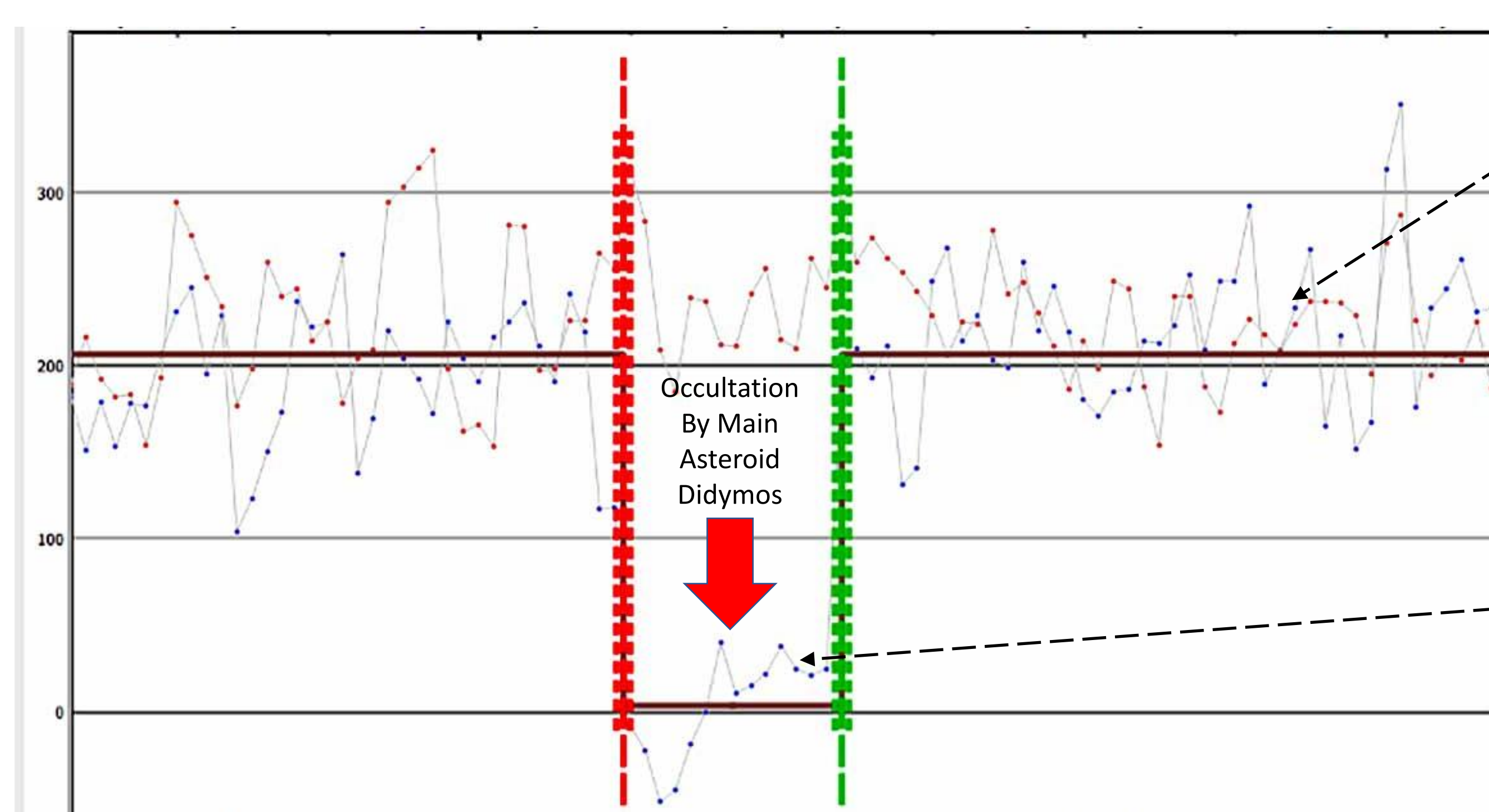
Final DART Image of Dimorphos Target Area Immediately Prior to Impact



Post-impact plume (likely explosion of remaining spacecraft fuel)

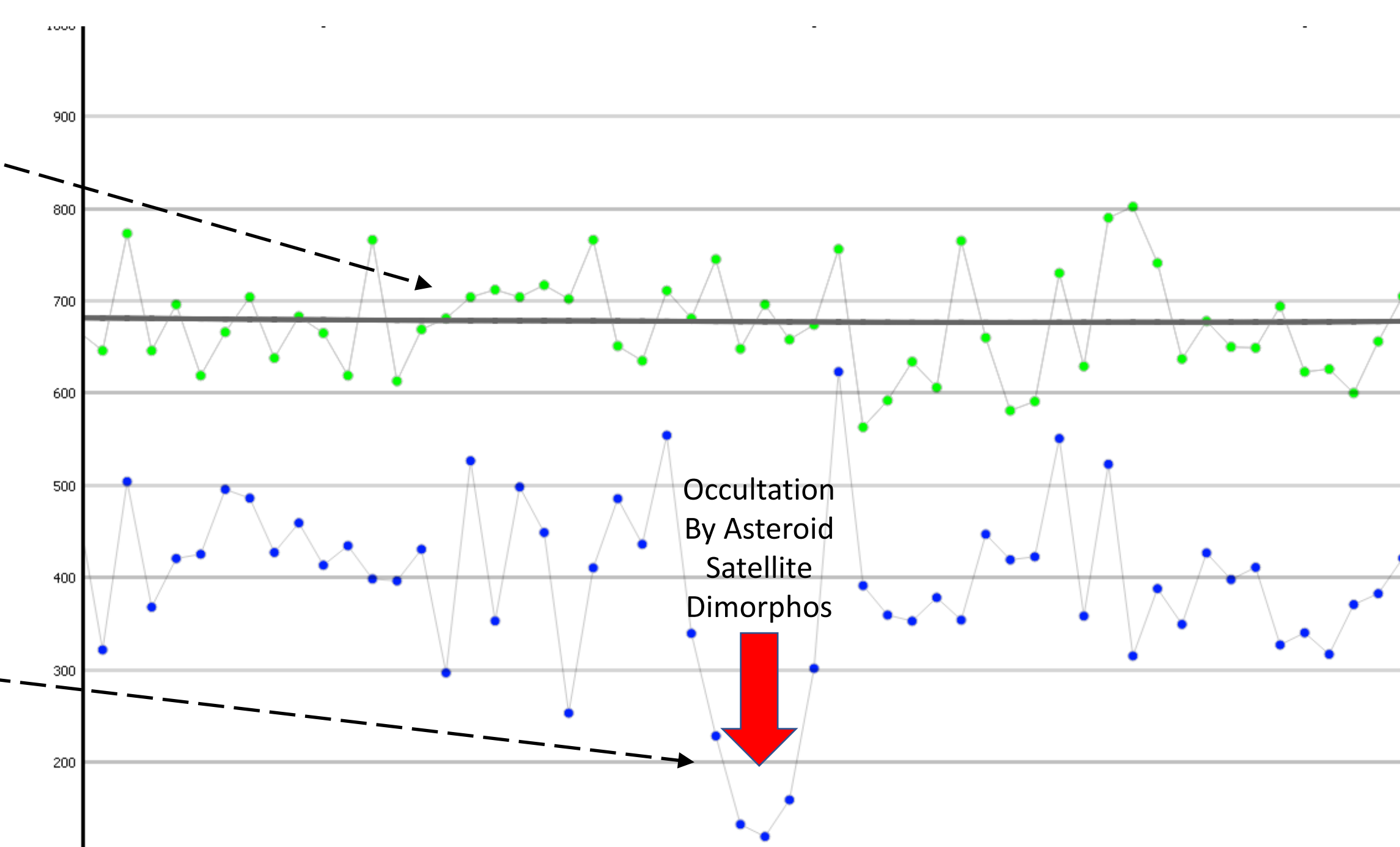


R. Jones Portable Occultation Telescope (Satellite Dimorphos)



Tracking Star Light Curve

Occulted Star Light Curve

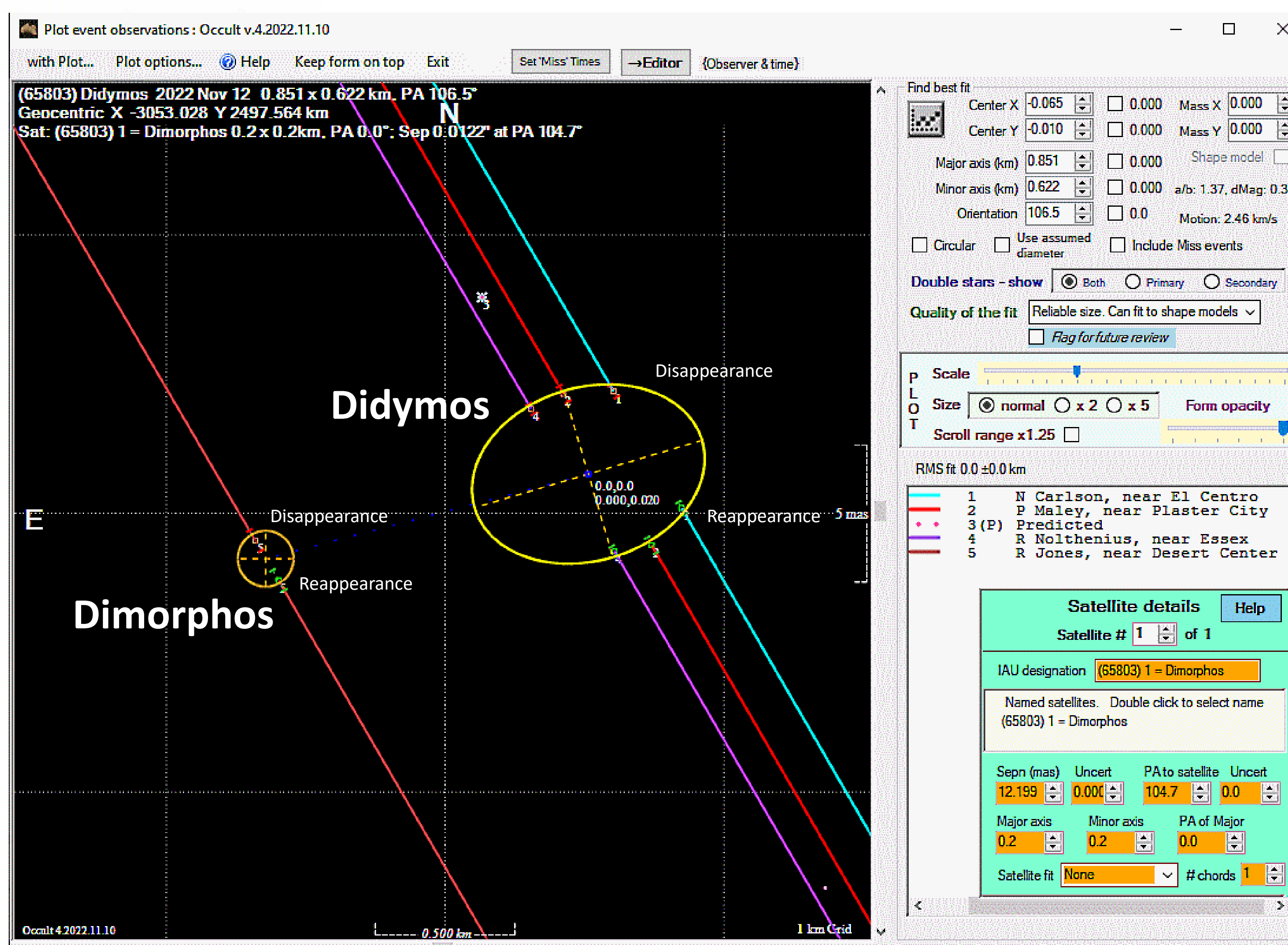


(Right) A sky-plane plot based on the locations of the observers and the times of disappearance (D) and reappearance (R) of the occulted star.

This information allows a calculation of the size, shape and location of the occulting object (or in this case, objects).

The yellow circles are "best fit" estimates of an elliptical shape which most closely matches the D and R times.

(OCCULT4 Software Package)



Nov. 12, 2022 Observers:

- N. Carlson
- P. Maley
- R. Nolthenius
- R. Jones