

## Observations and analysis of Asteroids with theoretical reflections

(Asteroid 2017 Wesson and the Trans-Neptunian Object 2003 UB313)

For my project, I set myself the task to analyse the SkyWatch-CCD-images of the asteroid 2017 Wesson. Using the astronomy-software „Astrometrica“ and „Maxim DL“ I calculated that Wesson has a speed of 22.589 km/s, a rotation duration of 1h 55min 47s, an average brightness of 14.42 magnitudes and a diameter of about 256.8 km.

Furthermore I am observing the new discovered trans-neptunian object 2003 UB313 which is vying with Pluto in size. Astronomers are instructed to decide whether it is to be classified as a planet or not. Until then the object will not be given an official name by the IAU.

During the next months, I observe this and other asteroids at the school observatory of the secondary school in Heerbrugg (Switzerland) as well as at the Semper-observatory in Zurich to analyse the CCD-images with the same tasks and to compare the results with reference values.