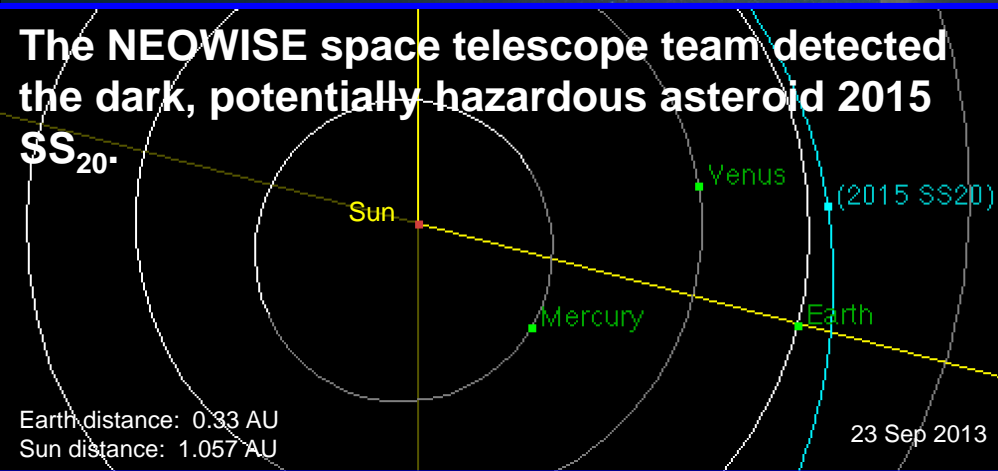
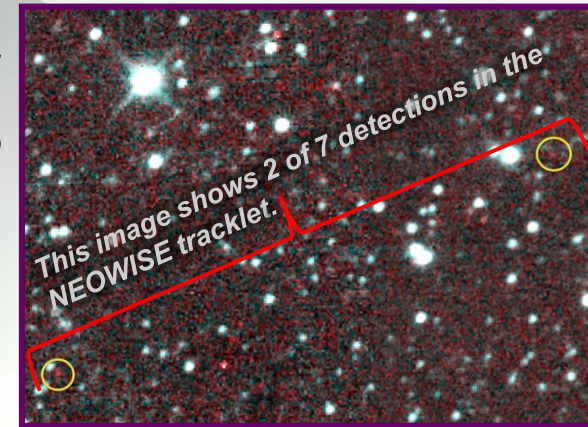


# NEOWISE Finds an Elusive Asteroid as Dark as a Lump of Coal



*The asteroid was first detected in 7 images by NEOWISE on Sep 23, 2015, but it was not tracked by ground-based observers who were unable to find it, since it was very dark.*



- Additional NEOWISE detections were later found of 2015 SS<sub>20</sub> that were fainter than the threshold used by the automated science data processing pipeline. With these detections, images collected in October and December 2015 by the Canada-France-Hawaii Telescope (CFHT) on Mauna Kea were reviewed and more data for this dark near-Earth asteroid was detected, thus allowing for the orbit of 2015 SS<sub>20</sub> to be determined well into the future. The minimum orbit intersection distance (MOID) between the asteroid and the Earth is 0.03 AU.
- Additional thermal modeling has revealed that 2015 SS<sub>20</sub> is extremely dark (3-4% albedo) and approximately ~180-300 m (600-1000 ft) across.

*Located atop Mauna Kea and optimized in the optical/infrared, the CFHT has a 3.6-m aperture.*