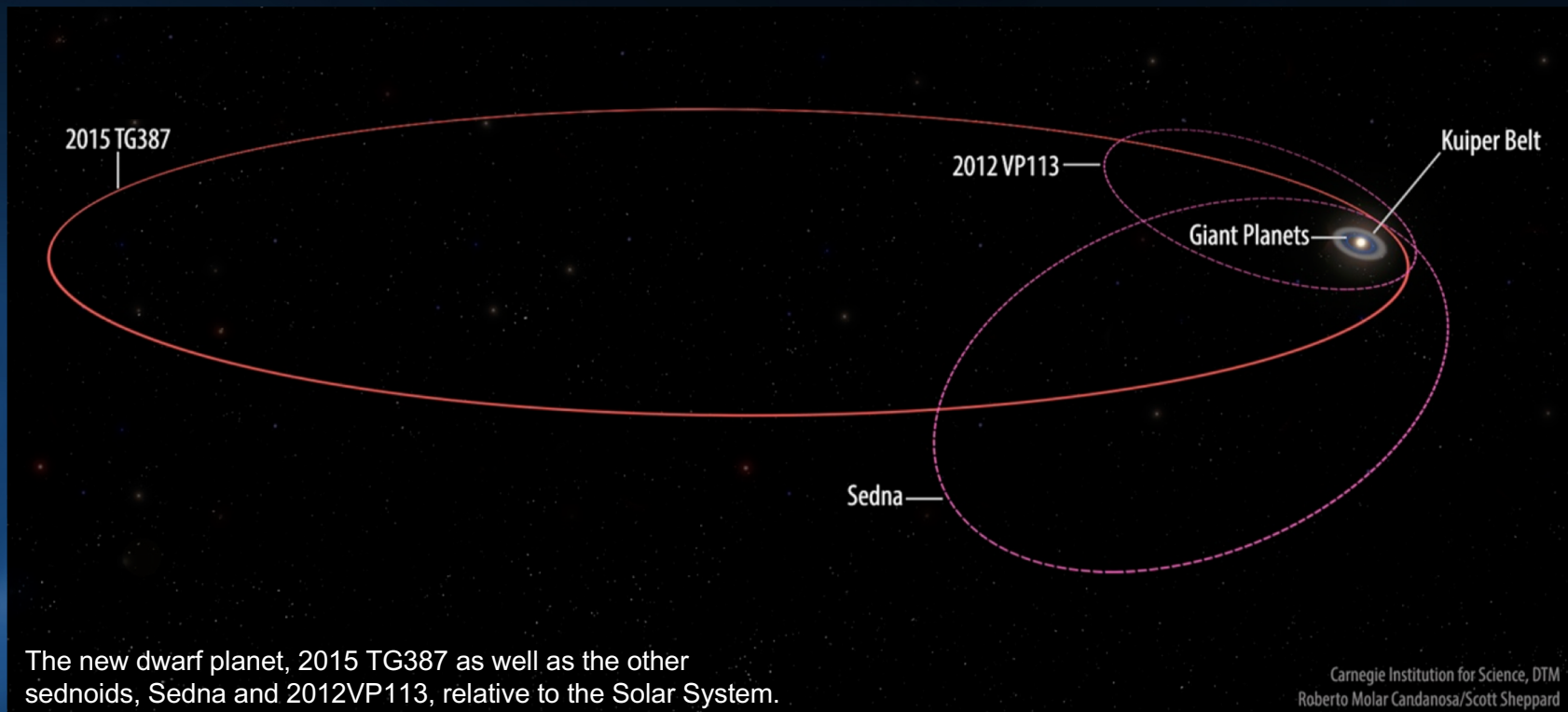


New Extreme Dwarf Planet: 2015 TG387



A new small body, designated 2015 TG387, has been discovered with an extreme orbit that can take it 2,300 times as far from the Sun as the Earth (1 AU). With a diameter of ~300 km, it is around the lower limit of what would be considered a dwarf planet. It was discovered at a point in its orbit about 2.5 times further from the Sun than Pluto, and is the third “sednoid” – a body outside of the orbit of Neptune with a closest distance from the sun greater than 50 AU and a semi-major axis of greater than 150 AU. The properties of the orbit of 2015 TG387, as with the other sednoids, cannot be explained by the known giant planets, and have led researchers to search for a possible undiscovered massive planet in the outer solar system that would account for their orbital properties.