Orbital Motion of Sirius

Click here to see a telescopic image of Sirius A and B.

Approximate 2015 position of Sirius A

Orbit of Sirius A

Center of Mass

Approximate 2015 position of Sirius A

Orbit of White Dwarf (Sirius B)

Period = 50.052 years. Last periastron occurred in 1993. Motion is clockwise. Note that the apparent orbits, the projections of the real orbits on the sky plane, are ellipses, but that the projection of the mass center is not at a focus nor center of either apparent orbit.

Sirius A is 9770 times as bright, but only about 2.07 times as massive, as Sirius B.