The comparative size of the sun and each of the planets in our solar system is shown on the chart below. This solar system which is our home territory, is located about 27,000 light years from the center of our Milky Way Galaxy, near one of the spiral arms and slightly above the disk. This disk is wide and thin and is known as the galactic plane. Out on that arm, orbiting at a speed of about half a million miles per hour, the Solar System takes about 250 million years to make a complete circuit of the galactic center.