

Video: Gaia, the billion star surveyor

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ESA's Gaia space telescope revolutionizes our understanding of the Milky Way. It scans the sky to measure the position, movement, distance, and characteristics of billions of stars.

It is creating the most precise map of our home galaxy yet, providing

clues to its origin and evolution. Gaia not only studies the stars, but also what is in between them, as well as asteroids and planetary moons in our solar system, [binary stars](#) and exoplanets, and quasars and galaxies outside of the Milky Way. Gaia provides us with a wealth of data, giving us a new sense of our place in the Universe.

Provided by European Space Agency

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