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Titolo	Understanding Gaia : A Mission to Map the Galaxy // by Gabriella Bernardi, Alberto Vecchiato
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Soggetti	Astronomy Cosmology Solar system Astronomy, Cosmology and Space Sciences Space Physics
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Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Introduction -- G as Galaxy -- A as Astrometry -- I as or Hipparchus and Information technology -- A as Astronautics and in Actuality -- Conclusion.
Sommario/riassunto	This book is the first to provide a comprehensive, readily understandable report on the European Space Agency's Gaia mission that will meet the needs of a general audience. It takes the reader on an exciting journey of discovery, explaining how such a scientific satellite is made, presenting the scientific results available from Gaia to date, and examining how the collected data will be used and their likely scientific consequences. The Gaia mission will provide a complete and high-precision map of the positions, distances, and motions of the stars in our galaxy. It will revolutionize our knowledge on the origin and evolution of the Milky Way, on the effects of mysterious dark matter, and on the birth and evolution of stars and extrasolar planets. The Gaia satellite was launched in December 2013 and has a foreseen operational lifetime of five to six years, culminating in a final stellar catalogue in the early 2020s. This book will appeal to all who have an

interest in the mission and the profound impact that it will have on
astronomy. .
