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Handbook Of X Ray Astronomy

Book Description Written for graduate students, professional astronomers and researchers, this book is a practical guide to x-ray astronomy. It describes the main hardware used in x-ray astronomy, emphasizing the implications for data analysis, and explains the concepts behind common x-ray astronomy data analysis software.

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Handbook of X-ray Astronomy (Cambridge Observing Handbooks ...

X-ray astronomy is an observational branch of astronomy which deals with the study of X-ray observation and detection from astronomical objects. X-radiation is absorbed by the Earth's atmosphere, so instruments to detect X-rays must be taken to high altitude by balloons, sounding rockets, and satellites.

X-ray astronomy - Wikipedia

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X-ray astronomy. Study of astronomical objects and phenomena that emit radiation at X-ray wavelengths. Because Earth's atmosphere absorbs most X-rays, X-ray telescopes and detectors are taken to high altitudes or into space by balloons and spacecraft.

X-ray astronomy | Britannica

The study of astronomical objects at the highest energies of X-rays and gamma rays began in the early 1960s. Before then, scientists knew that the Sun was an intense source in these wavebands, but had not observed other objects in the X-ray. Earth's atmosphere absorbs most X-rays and gamma rays, so rocket flights that could lift scientific payloads above Earth's atmosphere were needed.