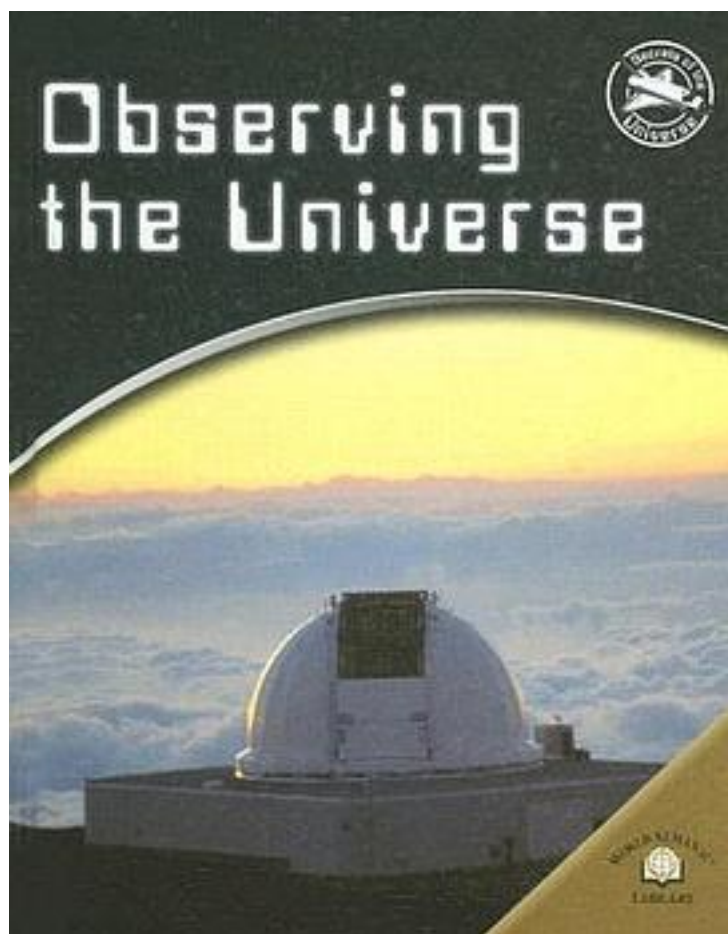


Observing the Universe



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著者:Norton, Andrew J. 编

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Observing the Universe introduces a range of techniques and skills that will be useful for those wishing to undertake observational work in astronomy and planetary science. Observations have played, and continue to play, a crucial role in developing

our understanding of the Universe, and the best way to get a feel for the role of observations is to do some. This comprehensive guide provides a sound basis for tackling astronomy and planetary science observations. It concentrates on generic aspects of observations, including the principles of telescopes and detectors, photometry and spectroscopy, microscopy techniques for analysing samples, teamwork skills, planning for a session at an observatory, keeping records of what you do, estimating uncertainties in measurements, analysing data numerically and graphically, and producing a written report. Including self-assessment questions with full solutions, this self-contained guide is suitable for undergraduate students of astronomy and planetary science, and serious amateur astronomers.

作者介绍:

目录:

[Observing the Universe_下载链接1](#)

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