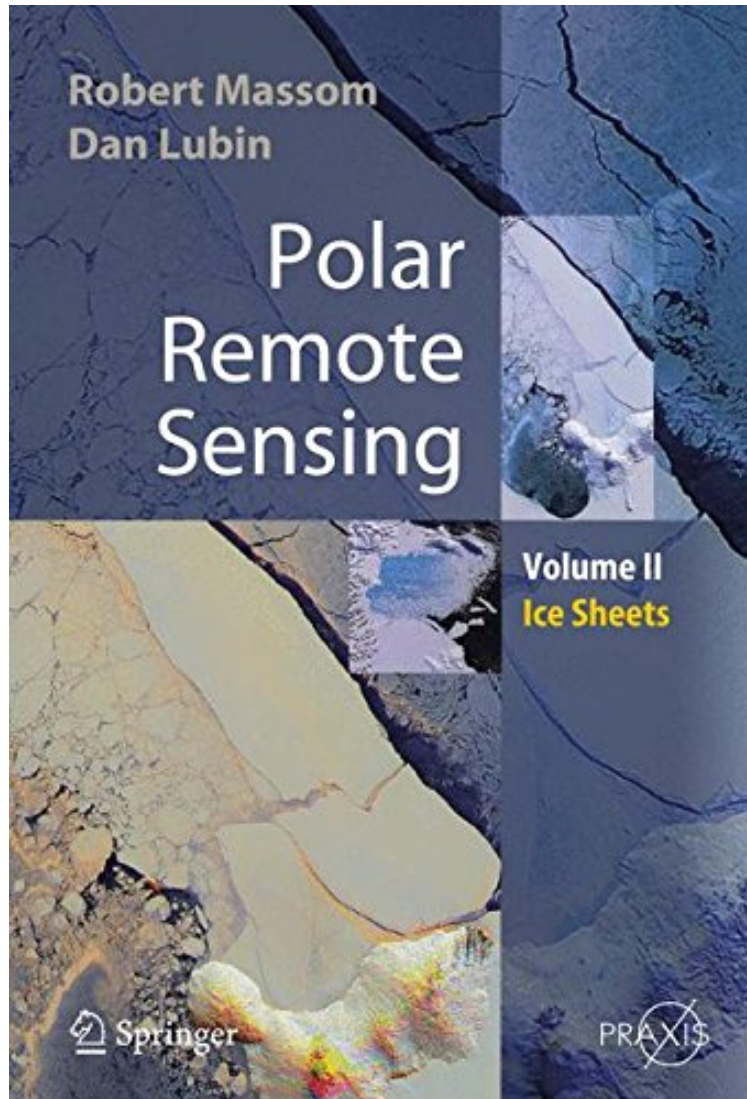


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## **Polar Remote Sensing: Volume II: Ice Sheets (Springer Praxis Books) (v. 2)**

*Robert Massom, Dan Lubin*

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before purchasing it in order to gage whether or not it would be worth my time, and all praised Polar Remote Sensing: Volume II: Ice Sheets (Springer Praxis Books) (v. 2):

Polar Remote Sensing is a two-volume work providing a comprehensive, multidisciplinary discussion of the applications of satellite sensing. Volume 2 focuses on the ice sheets, icebergs, and interactions between ice sheets and the atmosphere and ocean. It contains information about the applications of satellite remote sensing in all relevant polar related disciplines, including glaciology, meteorology, climate and radiation balance and oceanography. It also provides a brief review of the state-of-the-art of each discipline, including current issues and questions. Various passive and active remote sensor types are discussed, and the book then concentrates on specific geophysical applications. Its interdisciplinary approach means that major advances and publications are highlighted. Polar Remote Sensing: Ice Sheets summarizes fundamental principles of detectors, imaging and geophysical product retrieval includes a chapter on the important new field of satellite synthetic-aperture radar interferometry is a "one stop shop" for polar remote sensing information contains significant new information on the Earth's polar regions describes sophisticated groundbased remote sensing applications with specific reference to their use in polar regions.

From the reviews: "Mapping the properties of Earth's polar ice sheets may be remote sensing's greatest success story. The main source of confidence in this quest is the strength of polar remote sensing. This book provides an excellent reference and review and contains many of the best recent scientific illustrations and graphics from other publications. Any reader with a scientific interest in the Earth will be frankly astounded at the level of detail now accessible via satellite for some of Earth's most remote regions." (Ted A. Scambos, Journal of Geology, Vol. 116, 2008) From the Back Cover Polar Remote Sensing is a two-volume work providing a comprehensive, multidisciplinary discussion of the applications of satellite sensing. Volume 2 focuses on the ice sheets, icebergs, and interactions between ice sheets and the atmosphere and ocean. It contains information about the applications of satellite remote sensing in all relevant polar related disciplines, including glaciology, meteorology, climate and radiation balance and oceanography. It also provides a brief review of the state-of-the-art of each discipline, including current issues and questions. Various passive and active remote sensor types are discussed, and the book then concentrates on specific geophysical applications. Its interdisciplinary approach means that major advances and publications are highlighted. Polar Remote Sensing: Ice Sheets summarizes fundamental principles of detectors, imaging and geophysical product retrieval includes a chapter on the important new field of satellite synthetic aperture radar interferometry is a "one stop shop" for polar remote sensing information contains significant new information on the Earth's polar regions describes sophisticated groundbased remote sensing applications with specific reference to their use in polar regions.