



## Remote Sensing and Global Climate Change

By Vaughan, Robin A. / Cracknell, Arthur P.

Condition: New. Publisher/Verlag: Springer, Berlin | Proceedings of the NATO Advanced Study Institute on Remote Sensing and Global Climate Change, held at Dundee, Scotland, July 19 - August 8, 1992 | Experts report the state of the art in the study of global climate change using remote sensing techniques. Topics covered include the principles of remote sensing, the management of data, data requirements in climatology, the principles of modelling, the input of data into models, and the application of remote sensing to the atmosphere, ice and snow, seas and land. The book is highly topical given the current great public and scientific awareness of possible man-made changes to the climate. It is essential reading for anyone new to the field, and invaluable as a reference work to those already working in it. | Climate Change-The Background.- Remote Sensing, Systems and Data.- Satellite Observations in Global Ecology.- Satellite Data Archiving, Retrieval and Distribution.- Special Sensor Microwave/Image(SSM/I): Instrument, Data Analysis and Applications.- Basis and Structure of Climate Models.- The Use of Satellite Data in Numerical Weather Prediction.- Remote Sensing Input to Climatological Datasets.- The Microwave Limb Sounder and Error Reduction: Is What You See What You Get?.- Atmospheric Trace Gases and Aerosols.-...



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