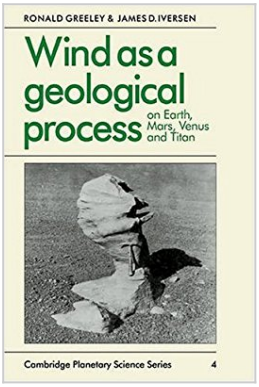

Wind as a Geological Process: On Earth, Mars, Venus and Titan (Cambridge Planetary Science Old)

By Ronald Greeley, James D. Iversen

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This book gives an account of geological aspects of windblown material. Aeolian processes play an important role in modifying the surface of the Earth, and they are also active on Mars. Additionally, they are thought to occur on Venus and possibly Titan as well. The authors describe the following aspects: wind as a geological process, the aeolian environment, physics of particle motion, aeolian abrasion and erosion; aeolian sand deposits and bedforms, interaction of wind and topography and windblown dust. A particular strength of the book is that it deals with aeolian processes in a planetary context, rather than as a purely terrestrial phenomenon. In so doing, the authors ably demonstrate how we can gain better understanding of the Earth through comparative planetology. This paperback reissue will enable the book to be used as a text for advanced students in planetary science. Special terms are defined when they are first used. There is a glossary and an exhaustive bibliography.

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