

图书基本信息

书名：<<蒙德极小期与变化的太阳-地球关系MAUNDER MINIMUM AND THE VARIABLE SUN-EARTH CONNECTION>>

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内容概要

This book takes an excursion through solar science, science history, and geoclimate with a husband and wife team who revealed some of our sun's most stubborn secrets. E Walter and Annie S D Maunder's work helped in understanding our sun's chemical, electromagnetic and plasma properties. They knew the sun's sunspot migration patterns and its variable, climate-affecting, inactive and active states in short and long time frames. An inactive solar period starting in the mid-seventeenth century lasted approximately seventy years, one that E Walter Maunder worked hard to make us understand: the Maunder Minimum of c 1620 – 1720 (which was posthumously named for him). With ongoing concern over global warming, and the continuing failure to identify root causes driving earth's climatic changes, the Maunder's story outlines how our cyclical sun can alter climate. The book goes on to view the sun-earth connection in terms of geomagnetic variation and climatic change; contemporary views on the sun's operating mechanisms are explored, and the effects these have on the earth over long and short time scales are pondered. If not a call to widen earth's climate research to include the sun, this book strives to illustrate how solar causes and effects can influence earth's climate in ways we must understand in order to enhance solar system research and our well-being.

书籍目录

Foreword
Acknowledgements
1 A Sun Most Pure and Most Lucid
2 Background of the Maunder Minimum
3 The Maunder Minimum: Europe, Asia, North America (As Dated from c. A.D. 1620--A.D. 1650)
4 The Maunder Minimum: Europe, Asia, North America (As Dated from c. A.D. 1650--A.D. 1720)
5 Surveying the Maunder Minimum
6 Maunder's Immediate Predecessors in Delineating Solar Structure and Behavior: Towards Understanding Solar Variability and Sun-Climate Connections
7 Maunder's Early Life and Associations
8 Maunder and the Connection of Sunspot Behavior and Geomagnetism: Resolving "the Fifty Years' Outstanding Difficulty"
9 Studying Aurora... the Scandinavian and American Connection
Tree Rings, Moisture and the Missing Sunspot Cycles
10 The Family Maunder: The B.A.A. and Astronomy for All
11 A Particle Theory for the Sun-Earth Connection
12 Our Knowledge of the Sun and Its Variability Today
13 Earth's Atmosphere and Its Story: A Perspective of Past Changes on the Present
14 The Maunder Minimum and Modern Theories of the Sun's Cyclical Machinery
15 Summary: Cycles of the Sun and Their Tie to Earth
16 The Maunder Minimum and Their Final Story
Index of Sources
Index

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