1. Record Nr. UNINA9910782282603321 Autore Soon Willie Titolo The Maunder Minimum and the variable sun-earth connection [[electronic resource] /] / Willie Wei-Hock Soon, Steven H. Yaskell River Edge, N.J., : World Scientific, c2003 Pubbl/distr/stampa **ISBN** 981-4486-65-5 1-281-94788-1 9786611947880 981-279-686-X Descrizione fisica 1 online resource (298 p.) Altri autori (Persone) YaskellSteven H 523.74 Disciplina Soggetti Sunspots Climatic changes Astronomers - Great Britain Sun Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references (p. 251-265) and index. Nota di contenuto ; Foreword ; Acknowledgements Contents : 1 A Sun Most Pure and Most Lucid : Solar Blemishes and Imputed Effects on Climate: Scientific Solar Study Begins ; 2 Background of the Maunder Minimum The Maunder Minimum: Europe Asia North America (As Dated from c. A.D. 1620-A.D. 1650) Western Europe and the Mediterranean Basin China and the Far East Asian Region : North American Region ; 4 The Maunder Minimum: Europe Asia North America (As Dated from c. A.D. 1650-A.D. 1720) ; North Atlantic/Western Europe and Mediterranean Basin/North African Region China and the Far East Asian Region North American and North Atlantic Region ; 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
; Modern Geomagnetic Storm Theory and Delineating the
Magnetosphere ; 12 Our
Knowledge of the Sun and Its Variability Today
Solar Magnetic Field and Variable Solar Outputs Concerning Historical
Solar Minima

Sommario/riassunto

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 midseventeenth century lasted approximately seventy years, one that E Walter Maunder worked hard to make us understand: the Ma