

1. Record Nr.	UNISA996466791003316
Titolo	Space Weather [[electronic resource]] : The Physics Behind a Slogan / / edited by Klaus Scherer, Horst Fichtner, Bernd Heber, Urs Mall
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2005
ISBN	3-540-31534-9
Edizione	[1st ed. 2005.]
Descrizione fisica	1 online resource (X, 302 p.)
Collana	Lecture Notes in Physics, , 0075-8450 ; ; 656
Disciplina	629.4/16
Soggetti	Space sciences Geophysics Space Sciences (including Extraterrestrial Physics, Space Exploration and Astronautics) Geophysics/Geodesy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Introduction to Space Weather -- The Sun and its Restless Magnetic Field -- The Application of Radio Diagnostics to the Study of the Solar Drivers of Space Weather -- Interplanetary Disturbances -- The Magnetosphere -- Space Weather Effects in the Upper Atmosphere: Low and Middle Latitudes -- Space Weather Effects in the Upper Atmosphere: High Latitudes -- Space Weather Effects on Technology -- Radiation Risks From Space -- Index.
Sommario/riassunto	The various processes that connect the physics of the Sun with that of the Earth's environment has become known as "Space Weather" during recent years, a slogan that has emerged in connection with many other expressions adapted from meteorology, such as solar wind, magnetic clouds or polar rain. This volume is intended as a first graduate-level textbook-style account on the physics of these solar-terrestrial relations and their impact on our natural and technological environment.