

1. Record Nr.	UNINA9910146577803321
Titolo	Solar and heliospheric origins of space weather phenomena // Jean-Pierre Rozelot (editor)
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer, , [2006] ©2006
ISBN	1-280-62734-4 9786610627349 3-540-33759-8
Edizione	[1st ed. 2006.]
Descrizione fisica	1 online resource (175 p.)
Collana	Lecture Notes in Physics, , 0075-8450 ; ; 699
Disciplina	523.58
Soggetti	Solar wind Sun Environmental aspects Congresses
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Lectures given at the 7th in a series of CNRS Solar Astrophysics Schools, held in Saint-Pierre d'Oleron, France.
Nota di contenuto	Advances in Understanding Elements of the Sun—Earth Links -- Some Basic Aspects of the Solar Wind -- The Solar Spectrum in the UV, EUV, and X Ranges: Observations, Modelling, and Effects on the Earth Upper Atmosphere in the Frame of Space Weather -- Earth Radiation Belts -- Radio Emissions from the Sun and the Interplanetary Medium -- The Sun, The Earth, and the Space Weather.
Sommario/riassunto	This book comprises an excursion through space weather, a scientific topic in rapid growth and with growing impact and complications for technological societies. The emphasis of the present volume is on the origins of space weather: the Sun and the solar wind. Very much as the Sun's electromagnetic radiation drives the Earth climate, our space weather is driven by the solar wind. This book addresses students and scientists working, or interested in, the field and provides a thorough introduction to the topic for those who wish to become acquainted with the basic solar physics at the origin of space weather.