

1. Record Nr.	UNINA9910140608403321
Autore	Markowski Paul <1974->
Titolo	Mesoscale meteorology in midlatitudes [[electronic resource] /] / Paul Markowski and Yvette Richardson
Pubbl/distr/stampa	Chichester, : Wiley-Blackwell, c2010
ISBN	1-119-96667-1 1-282-55002-0 9786612550027 0-470-68210-8 0-470-68209-4
Descrizione fisica	1 online resource (431 p.)
Collana	Advancing weather and climate science
Altri autori (Persone)	RichardsonYvette <1968->
Disciplina	551.634
Soggetti	Mesometeorology Mesometeorology - Mathematical models
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Mesoscale Meteorology in Midlatitudes; Contents; Series Foreword; Preface; Acknowledgments; List of Symbols; PART I General Principles; 1 What is the Mesoscale?; 2 Basic Equations and Tools; 3 Mesoscale Instabilities; PART II Lower Tropospheric Mesoscale Phenomena; 4 The Boundary Layer; 5 Air Mass Boundaries; 6 Mesoscale Gravity Waves; PART III Deep Moist Convection; 7 Convection Initiation; 8 Organization of Isolated Convection; 9 Mesoscale Convective Systems; 10 Hazards Associated with Deep Moist Convection; PART IV Orographic Mesoscale Phenomena 11 Thermally Forced Winds in Mountainous Terrain12 Mountain Waves and Downslope Windstorms; 13 Blocking of the Wind by Terrain; PART V Appendix; A Radar and Its Applications; References; Index
Sommario/riassunto	Mesoscale Meteorology in Mid-Latitudes presents the dynamics of mesoscale meteorological phenomena in a highly accessible, student-friendly manner. The book's clear mathematical treatments are complemented by high-quality photographs and illustrations. Comprehensive coverage of subjects including boundary layer mesoscale phenomena, orographic phenomena and deep convection is

brought together with the latest developments in the field to provide an invaluable resource for mesoscale meteorology students. Mesoscale Meteorology in Mid-Latitudes functions as a comprehensive, easy-to-
