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Autore	Markowski Paul <1974->
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Collana	Advancing weather and climate science
Altri autori (Persone)	RichardsonYvette <1968->
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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-