

1. Record Nr.	UNINA9910778470303321
Autore	Barry Roger G (Roger Graham), <1935->
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Descrizione fisica	1 online resource (1270 p.)
Altri autori (Persone)	ChorleyRichard J
Disciplina	551.5
Soggetti	Meteorology Atmospheric physics Climatology
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 (pages [495]-498) and index.
Nota di contenuto	Contents; Preface to the ninth edition; Acknowledgments; CHAPTER ONE Introduction and history of meteorology and climatology; CHAPTER TWO Atmospheric composition, mass and structure; CHAPTER THREE Solar radiation and the global energy budget; CHAPTER FOUR Atmospheric moisture budget; CHAPTER FIVE Atmospheric instability, cloud formation and precipitation processes; CHAPTER SIX Atmospheric motion: principles; CHAPTER SEVEN Planetary-scale motions in the atmosphere and ocean; CHAPTER EIGHT Numerical models of the general circulation, climate and weather prediction CHAPTER NINE Mid-latitude synoptic and mesoscale systemsCHAPTER TEN Weather and climate in middle and high latitudes; CHAPTER ELEVEN Tropical weather and climate; CHAPTER TWELVE Boundary layer climates; CHAPTER THIRTEEN Climate change; APPENDIX 1 Climate classification; APPENDIX 2 Systeme International (SI) units; APPENDIX 3 Synoptic weather maps; APPENDIX 4 Data sources; Notes; General Bibliography; Index
Sommario/riassunto	This book presents a comprehensive introduction to weather processes

and climatic conditions around the world, their observed variability and changes, and projected future trends. Extensively revised and updated, this ninth edition retains its tried and tested structure while incorporating recent advances in the field. From clear explanations of the basic physical and chemical principles of the atmosphere, to descriptions of regional climates and their changes, the book presents a comprehensive coverage of global meteorology and climatology. In this new edition the latest scientific ideas a

2. Record Nr.	UNINA9910971432003321
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Edizione	[1st ed.]
Descrizione fisica	1 online resource (545 pages)
Collana	The SAGE Reference Series on Green Society: Toward a Sustainable Future-Series Editor: Paul Robbins Series ; ; v.10
Altri autori (Persone)	RobbinsPaul
Disciplina	333.7
Soggetti	Green technology Sustainable engineering Environmental engineering Energy conservation
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Nota di contenuto	Cover -- Contents -- About the Editors -- Introduction -- Reader's

Guide -- List of Articles -- List of Contributors -- Green Technology
Chronology -- A -- B -- C -- D -- E -- F -- G -- H -- I -- L -- M -- O
-- P -- R -- S -- T -- U -- W -- Z -- Green Technology Glossary --
Index.

Sommario/riassunto

Featuring such disciplines as nanoscience, biochemistry, information technology and environmental engineering, in 150 articles this volume explores the essential role of technology in developments towards a sustainable environment.
