Brief Contents

1	Turbulent Atmosphere 3
2	Energy That Drives the Storms 35
3	Extreme Temperature and Humidity 6
4	Condensation in the Atmosphere 101
	Clouds and Stability 133
	Precipitation Extremes 157
7	Motions in the Atmosphere 191
8	Wind Systems 225
9	Air Masses and Fronts 259
10	Mid-Latitude Cyclonic Storms 293
11	Thunderstorms 325
12	Tornadoes 359
13	Hurricanes 391
14	Global Climate 433
15	Earth's Changing Climate 473

A Units, Conversions, and Abbreviations 516
B Equations and Constants 519
C Weather Symbols and the Station Model 522
D Humidity and Dew-Point Tables (Psychrometric Tables) 524
E Köppen's Climatic Classification System 528

Average Annual Global Precipitation

Additional Reading Material 532 Glossary 533 Index 545