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## The Atmosphere: An Introduction to Meteorology

By Edward J. Tarbuck, Frederick K. Lutgens

PHI Learning, 2011. Softcover. Book Condition: New. 5th or later edition. Reinforcing basic concepts with everyday, easy-to-grasp examples, this highly regarded volume remains the standard introduction to meteorology and the atmosphere's components, problems, and applications. The Eleventh Edition retains hallmark Tarbuck/Lutgens features: a friendly, largely non-technical narrative, timely coverage of recent atmospheric events, and carefully crafted artwork by leading science illustrator Dennis Tasa. As in the previous editions, the authors continue to provide current reports on changing meteorological patterns e.g. the tornado outbreak in 24 US states on 'Super Tuesday' in 2008. The chapter on climate change is updated. The book is useful for a basic course in meteorology. Contents Preface. Acknowledgments. 1: Introduction to the Atmosphere. 2: Heating Earth's Surface and Atmosphere. 3: Temperature. 4: Moisture and Atmospheric Stability. 5: Forms of Condensation and Precipitation. 6: Air Pressure and Winds. 7: Circulation of the Atmosphere. 8: Air Masses. 9: Weather Patterns. 10: Thunderstorms and Tornadoes. 11: Hurricanes. 12: Weather Analysis and Forecasting. 13: Air Pollution. 14: The Changing Climate. 15: World Climates. 16: Optical Phenomena of the Atmosphere. Appendix A: Metric Units. Appendix B: Explanation and Decoding of the Daily Weather Map. Appendix C: Relative Humidity and Dew-Point Tables....



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