

Mesoscale Meteorology in Midlatitudes

By Paul Markowski, Yvette Richardson

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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-use undergraduate textbook while also providing a useful reference for graduate students, research scientists and weather industry professionals.

- Illustrated in full colour throughout
- Covers the latest developments and research in the field
- Comprehensive coverage of deep convection and its initiation
- Uses real life examples of phenomena taken from broad geographical areas to demonstrate the practical aspects of the science

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Editorial Review

Review

“In summary, I highly recommend this book for use in courses in mesoscale meteorology at the advanced undergraduate and graduate level. It will serve as an important reference for researchers, instructors, and practitioners, and I look forward to using it in even more depth in my future teaching.” (*Bulletin of the American Met Society*, 2012)

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"Markowski and Richardson (both meteorology, Penn State U.) deliver a very accessible advanced text on the dynamics of mesoscale meteorological phenomena, including boundary layer mesoscale phenomena, orographic phenomena and deep convection . . . an eye-pleasing design and extensive use of color photographs and illustrations make this book especially usable as both an undergraduate text and as a reference for graduate students, researchers, and meteorologists." (Booknews, 1 April 2011)

From the Back Cover
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