References

Anthes, R. A., and T. T. Warner, 1978: Development of hydrodynamic models suitable for air pollution and other mesometeorological studies. *Mon. Wea. Rev.*, 106, 1045-1078.

Ballard, S. P., B. W. Golding, and R. N. Smith, 1991: Mesoscale model experimental Forecasts of the Haar of Northeast Scotland. *Mon. Wea. Rev.*, 119, 2107-2123.

Betts, A. K., 1986: A new convective adjustment scheme. Part I: Observational and theoretical basis. *Quart. J. Roy. Meteor. Soc.*, 112, 677-692.

Betts, A. K., and M. J. Miller, 1986: A new convective adjustment scheme. Part II: Single column tests using GATE wave, BOMEX, ATEX and Arctic air-mass data sets. *Quart. J. Roy. Meteor. Soc.*, 112, 693-709.

Betts, A. K., and M. J. Miller, 1993: The Betts-Miller scheme. *The representation of cumulus convection in numerical models*, K. A. Emanuel and D. J. Raymond, Eds., Amer. Meteor. Soc., 246 pp.

Burk, S. D., and W. T. Thompson, 1989: A vertically nested regional numerical prediction model with second-order closure physics. *Mon. Wea. Rev.*, 117, 2305-2324.

Dudhia, J., 1989: Numerical study of convection observed during winter monsoon experiment using a mesoscale two-dimensional model. J. Atmos. Sci., 46, 3077-3107.

Dudhia, J. 1993: A nonhydrostatic version of the Penn State/NCAR mesoscale model: Validation tests and simulation of an Atlantic cyclone and cold front. Mon. Wea. Rev., 121, 1493-1513.

Dudhia, J., 1996: A multi-layer soil temperature model for MM5. *Preprints, The Sixth PSU/NCAR Mesoscale Model Users' Workshop*, 22-24 July 1996, Boulder, Colorado, 49-50.

Fritsch, J. M., and C. F. Chappell, 1980: Numerical prediction of convectively driven mesoscale pressure systems. Part I: Convective parameterization. *J. Atmos., Sci.*, 37, 1722-1733.

Grell, G. A., J. Dudhia and D. R. Stauffer, 1994: A description of the fifth-generation Penn State/NCAR mesoscale model (MM5). *NCAR Technical Note*, NCAR/TN-398+STR, 117 pp.

Guo, Y.-R., and S. Chen, 1994: Terrain and land use for the fifth-generation Penn State/NCAR mesoscale modeling system (MM5). *NCAR Technical Note*, NCAR/TN-397+IA, 114 pp.

Haagenson, P. L., J. Dudhia, G. A. Grell and D. R. Stauffer, 1994: The Penn State/NCAR mesoscale model (MM5) source code documentation. *NCAR Technical Note*, NCAR/TN-392+STR, 200 pp.

Hack, J. J., B. A. Boville, B. P. Briegleb, J. T. Kiehl, P. J. Rasch, and D. L. Williamson, 1993: Description of the NCAR Community Climate Model (CCM2). *NCAR Technical Note*, NCAR/TN-382+STR, 120 pp.

Hong, S.-Y., and H.-L. Pan, 1996: Nonlocal boundary layer vertical diffusion in a medium-range forecast model. *Mon. Wea. Rev.*, 124, 2322-2339.

Janjic, Zavisa I., 1994: The step-mountain eta coordinate model: Further development of the convection, viscous sublayer, and turbulent closure schemes. Mon. Wea. Rev., 122, 927-945.

Kain, J. S., and J. M. Fritsch, 1993: Convective parameterization for mesoscale models: The Kain-Fritsch scheme. *The representation of cumulus convection in numerical models*, K. A. Emanuel and D. J. Raymond, Eds., Amer. Meteor. Soc., 246 pp.

Lin, Y.-L., R. D. Farley, and H. D. Orville, 1983: Bulk parameterization of the snow field in a cloud model. *J. Clim. Appl. Meteor.,* 22, 1065-1092.

Manning, K. W., and P. L. Haagenson, 1992: Data ingest and objective analysis for the PSU/NCAR modeling system: Program DATAGRID and RAWINS. *NCAR Technical Note*, NCAR/TN-376+IA, 209 pp.

Nuss, W. A., and D. W. Titley, 1994: Use of multiquadric interpolation for meteorological objective analysis. Mon. Wea. Rev., 122, 1611-1631.

Reisner, J., R. J. Rasmussen, and R. T. Bruintjes, 1998: Explicit forecasting of supercooled liquid water in winter stroms using the MM5 mesoscale model. *Quart. J. Roy. Meteor. Soc*., 124B, 1071-1107.

Schultz, P., 1995: An explicit cloud physics parameterization for operational numerical weather prediction. *Mon. Wea. Rev.,* 123, 3331-3343.

Tao, W.-K. and J. Simpson, 1993: Goddard Cumulus Ensemble Model. Part I: Model Description. *Terrestrial, Atmospheric and Oceanic Sciences,* 4, 35-72.