

***Refereed Publications: Submitted, appeared, nearing submission.***

Aberson., S. D., S. J. Majumdar, C. A. Reynolds, and B. Etherton, 2010: *An observing system experiment for tropical cyclone targeting techniques using the Global Forecast System. Submitted to Mon. Wea. Rev.*

Aberson, S. D., 2008: *An alternative tropical cyclone intensity forecast verification Technique. Wea. Forecast., 23,1304-1310.*

Aberson, S. D., 2010: Ten years of hurricane synoptic surveillance (1997-2006). *Mon. Wea. Rev.*, in print.

Aberson, S. D., C.-C. Wu, M. Bell, J. Halverson, C. Fogarty, J. Cione, and M. Weissmann, 2010: *Aircraft used to observe tropical cyclones. Global Perspectives on Tropical Cyclones: From Science to Mitigation. In print.*

Bao, J.-W., C. W. Fairall, S. A. Michelson, L. Bianco, 2010: *Parameterizations of sea-spray impact on the air-sea momentum and heat fluxes. Monthly Weather Review. To be submitted.*

Bianco, L., J.-W. Bao, C. W. Fairall, and S. A. Michelson, 2010: *Impact of sea spray on the surface boundary. Boundar.-Layer Meteorol.. To be submitted.*

Bell, M. M. and M. T. Montgomery, 2010: *Sheared deep vortical convection in pre-depression Hagupit during TCS08. Submitted to Geophys. Res. Lett.*

Braun, S. A., M. T. Montgomery, K. Mallen, and P. Reasor, 2010: *Simulation and interpretation of the genesis of Tropical Storm Gert (2005) as part of the NASA Tropical Cloud Systems and Processes Experiment. J. Atmos. Sci., in print.*

Bui, H. H., R. K. Smith, M. T. Montgomery, and J. Peng, 2009: *Balanced and unbalanced aspects of tropical cyclone intensification. Q. J. R. Meteorol. Soc., 135, 1715-1731.*

Conzemius, F., and M. T. Montgomery, 2010: *Mesoscale convective vortices in multi-scale idealized simulations: Dependence on background station, interdependency with moist baroclinic cyclones, and comparison with BAMEX observations. Mon. Wea. Rev., in print.*

Conzemius, R. J., and M. T. Montgomery, 2009: *Clarification on the generation of absolute and potential vorticity in mesoscale convective vortices. Atmos. Chem. Phys., 9, 7591-7605.*

Davis, C. A., W. Wang, J. Dudhia, and R. Torn: 2010: *Does Increased Horizontal Resolution Improve Hurricane Wind Forecasts? Weather and Forecasting. To be submitted.*

Davis, C., W. Wang, S. Cavallo, J. Done, J. Dudhia, J. Michalakes, G. Caldwell, T. Engel, S. Ghosh, and Ryan Torn, 2010: *High-resolution hurricane forecasts*. *Comput. Sci. Eng.*, **To be submitted**.

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Doyle, J.D., C. Amerault, C. Reynolds: 2010: *Initial condition sensitivity analysis for hurricane forecasts*. *Comput. Sci. Eng.*, **To be submitted**.

Dunion, J. P., 2010: *Re-writing the climatology of the tropical north Atlantic and Caribbean Sea atmosphere*. **Submitted to J. Clim.**

Dunkerton, T. J., M. T. Montgomery, and Z. Wang, 2009: *Tropical cyclogenesis in a tropical wave critical layer: Easterly waves*. *Atmos. Chem. Phys.*, **9**, 587-5646.

Fairall, C. W., M. Banner, W. Peirson, R. P. Morison, and W. Asher, 2009: *Investigation of the physical scaling of sea spray spume droplet production*. *J. Geophys. Res.*, **114**, C10001, doi:10.1029/2008JC004918.

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Fang, J, F. Zhang, 2010: *Initial development and genesis of Hurricane Dolly (2008)*. *Journal of the Atmospheric Sciences*, **in press**.

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Kaplan, J., M. DeMaria, and J. A. Knaff, 2010: *A revised tropical cyclone rapid intensification index for the Atlantic and Eastern North Pacific basins*. **Wea. Forecast.**, **in print**.

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Krishnamurti, T.N., S. Pattnaik, M.K. Biswas, M. Kramer, Ed Bensman, N. Surgi and T.S.V. Kumar, 2010b. *Multimodel ensemble forecasts of hurricane for a suite of mesoscale models*. **Tellus A** (**Under revision**)

Lorsolo, S., J. A. Zhang, F. Marks, Jr., and J. Gamache, 2010: *Estimation and mapping of hurricane turbulent energy using airborne Doppler measurements*. **Mon. Wea. Rev.**, **in print**.

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Nolan, D. S., J. A. Zhang, and D. P. Stern, 2009: *Evaluation of planetary boundary layer parameterizations in tropical cyclones by comparison of in situ observations and high-resolution simulations of Hurricane Isabel (2003). Part I: Initialization, maximum winds, and the outer-core boundary layer. Mon. Wea. Rev., 137, 3651-3674.*

Nolan, D. S., D. P. Stern, and J. A. Zhang, 2009: *Evaluation of planetary boundary layer parameterizations in tropical cyclones by comparison of in situ observations and high-resolution simulations of Hurricane Isabel (2003). Part II: Inner-core boundary layer and eyewall structure. Mon. Wea. Rev., 137, 3675-3698.*

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Ramos, N. A., S. D. Aberson, G. Jenkins, and V. Morris, 2010: *2004 Hurricane Danielle tropical cyclogenesis using the National Center for Atmospheric Research (NCAR) Weather Research and Forecasting (WRF) model. Submitted to Mon. Wea. Rev.*

Reynolds, C. A., J. D. Doyle, R. M. Hodur, and H. Jin, 2010: *Naval Research Laboratory Multi-scale Targeting Guidance for T-PARC and TCS-08. to appear in Wea. Forecasting.*

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