

## Volume 140, Issue 10 (October 2012)

[View Abstracts](#)   [Add to Favorites](#)   [Email](#)   [Download to Citation Manager](#)   [Track Citations](#)

Select  
All

  
Denotes  
Open  
Access  
Content

## ARTICLES

- 3137   **Application of Boyd's Periodization and Relaxation Method in a Spectral Atmospheric Limited-Area Model. Part I: Implementation and Reproducibility Tests** 3137–3148  
*Piet Termonia, Fabrice Voitus, Daan Degrauwe, Steven Caluwaerts, Rafiq Hamdi*  
[Abstract](#) . [Full Text](#) . [PDF \(965 KB\)](#)
- 3149   **Application of Boyd's Periodization and Relaxation Method in a Spectral Atmospheric Limited-Area Model. Part II: Accuracy Analysis and Detailed Study of the Operational Impact** 3149–3162  
*Daan Degrauwe, Steven Caluwaerts, Fabrice Voitus, Rafiq Hamdi, Piet Termonia*  
[Abstract](#) . [Full Text](#) . [PDF \(1608 KB\)](#)
- 3163   **Dry and Moist Idealized Experiments with a Two-Dimensional Spectral Element Model** 3163–3182  
*Saša Gaberšek, Francis X. Giraldo, James D. Doyle*  
[Abstract](#) . [Full Text](#) . [PDF \(2025 KB\)](#)
- 3183   **Estimates of Analysis and Forecast Error Variances Derived from the Adjoint of 4D-Var** 3183–3203  
*Andrew M. Moore, Hernan G. Arango, Gregoire Broquet*  
[Abstract](#) . [Full Text](#) . [PDF \(2706 KB\)](#)
- 3204   **Ensemble Model Output Statistics for Wind Vectors** 3204–3219  
*Nina Schuhen, Thordis L. Thorarinsdottir, Tilmann Gneiting*  
[Abstract](#) . [Full Text](#) . [PDF \(2130 KB\)](#)
- 3220   **Controlling the Computational Modes of the Arbitrarily Structured C Grid** 3220–3234  
*Hilary Weller*  
[Abstract](#) . [Full Text](#) . [PDF \(5332 KB\)](#)
- 3235   **Phenomenological Description of Tropical Clouds Using *CloudSat* Cloud Classification** 3235–3249  
*Ali Behrangj, Terry Kubar, Bjorn Lambrigtsen*  
[Abstract](#) . [Full Text](#) . [PDF \(2902 KB\)](#)
- 3250   **Manipulating Large-Scale Qualitative Meteorological Information for Drought Outlook** 3250–3258  
*Kuk-Hyun Ahn, Young-Oh Kim, Sang Jin Ahn*  
[Abstract](#) . [Full Text](#) . [PDF \(1011 KB\)](#)
- 3259   **Configuration and Evaluation of the WRF Model for the Study of Hawaiian Regional Climate** 3259–3277  
*Chunxi Zhang, Yuqing Wang, Axel Lauer, Kevin Hamilton*  
[Abstract](#) . [Full Text](#) . [PDF \(4262 KB\)](#)
- 3278   **Impact of Physics Representations in the HWRF on Simulated Hurricane Structure and Pressure-Wind Relationships** 3278–3299  
*J.-W. Bao, S. G. Gopalakrishnan, S. A. Michelson, F. D. Marks, M. T. Montgomery*  
[Abstract](#) . [Full Text](#) . [PDF \(6610 KB\)](#)
- 3300   **The Impact of Forcing Datasets on the High-Resolution Simulation of Tropical Storm Ivan (2004) in the Southern Appalachians** 3300–3326  
*Xiaoming Sun, Ana P. Barros*  
[Abstract](#) . [Full Text](#) . [PDF \(16726 KB\)](#)
- 3327   **Effect of Beta Shear on Simulated Tropical Cyclones** 3327–  
*Juan Fang, Fuqing Zhang*

	<a href="#">Abstract</a> . <a href="#">Full Text</a> . <a href="#">PDF (6011 KB)</a>	3346
3347	  <b>The Unusual Behavior and Precipitation Pattern Associated with Tropical Storm Ignacio (1997)</b> <i>Kimberly M. Wood, Elizabeth A. Ritchie</i> <a href="#">Abstract</a> . <a href="#">Full Text</a> . <a href="#">PDF (2962 KB)</a>	3347– 3360
3361	  <b>Rapid Intensification of a Sheared, Fast-Moving Hurricane over the Gulf Stream</b> <i>Leon T. Nguyen, John Molinari</i> <a href="#">Abstract</a> . <a href="#">Full Text</a> . <a href="#">PDF (4032 KB)</a>	3361– 3378
3379	  <b>Impacts of Typhoon Track and Island Topography on the Heavy Rainfalls in Taiwan Associated with Morakot (2009)</b> <i>Baoguo Xie, Fuqing Zhang</i> <a href="#">Abstract</a> . <a href="#">Full Text</a> . <a href="#">PDF (6023 KB)</a>	3379– 3394