

## Volume 25, Issue 12 (June 2012)

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

Select All  Denotes Open Access Content

## ARTICLES

- 3993    **The Low-Resolution CCSM4** 3993–4014  
*Christine A. Shields, David A. Bailey, Gokhan Danabasoglu, Markus Jochum, Jeffrey T. Kiehl, Samuel Levis, Sungsu Park*  
[Abstract](#) . [Full Text](#) . [PDF \(7754 KB\)](#)
- 4015   **Testing of the Tropically Excited Arctic Warming Mechanism (TEAM) with Traditional El Niño and La Niña** 4015–4022  
*Sukyong Lee*  
[Abstract](#) . [Full Text](#) . [PDF \(2521 KB\)](#)
- 4023   **Seasonal Predictability of Wintertime Precipitation in Europe Using the Snow Advance Index** 4023–4028  
*S. Brands, R. Manzanas, J. M. Gutiérrez, J. Cohen*  
[Abstract](#) . [Full Text](#) . [PDF \(934 KB\)](#)
- 4029   **Subtropical Dipole Modes Simulated in a Coupled General Circulation Model** 4029–4047  
*Yushi Morioka, Tomoki Tozuka, Sebastien Masson, Pascal Terray, Jing-Jia Luo, Toshio Yamagata*  
[Abstract](#) . [Full Text](#) . [PDF \(4069 KB\)](#)
- 4048   **Observed Antarctic Interannual Climate Variability and Tropical Linkages** 4048–4066  
*David P. Schneider, Yuko Okumura, Clara Deser*  
[Abstract](#) . [Full Text](#) . [PDF \(14338 KB\)](#)
- 4067   **Exploring Mechanisms of Variability and Predictability of Atlantic Meridional Overturning Circulation in Two Coupled Climate Models** 4067–4080  
*Ross Tulloch, John Marshall*  
[Abstract](#) . [Full Text](#) . [PDF \(4325 KB\)](#)
- 4081   **Effect of Atmospheric Feedbacks on the Stability of the Atlantic Meridional Overturning Circulation** 4081–4096  
*Matthijs den Toom, Henk A. Dijkstra, Andrea A. Cimatoribus, Sybren S. Drijfhout*  
[Abstract](#) . [Full Text](#) . [PDF \(1321 KB\)](#)
- 4097   **Abrupt Circulation Responses to Tropical Upper-Tropospheric Warming in a Relatively Simple Stratosphere-Resolving AGCM** 4097–4115  
*Shuguang Wang, Edwin P. Gerber, Lorenzo M. Polvani*  
[Abstract](#) . [Full Text](#) . [PDF \(1527 KB\)](#)
- 4116   **Causes of the Rapid Warming of the North Atlantic Ocean in the Mid-1990s** 4116–4134  
*Jon Robson, Rowan Sutton, Katja Lohmann, Doug Smith, Matthew D. Palmer*  
[Abstract](#) . [Full Text](#) . [PDF \(5327 KB\)](#)
- 4135   **Considerable Model–Data Mismatch in Temperature over China during the Mid-Holocene: Results of PMIP Simulations** 4135–4153  
*Dabang Jiang, Xianmei Lang, Zhiping Tian, Tao Wang*  
[Abstract](#) . [Full Text](#) . [PDF \(1929 KB\)](#)
- 4154   **Surface Temperature Gradients as Diagnostic Indicators of Midlatitude Circulation Dynamics** 4154–4171  
*Christina Karamperidou, Francesco Cioffi, Upmanu Lall*  
[Abstract](#) . [Full Text](#) . [PDF \(3773 KB\)](#)
- 4172   **Nonlinear Trends, Long-Range Dependence, and Climate Noise Properties of Surface Temperature** 4172–  
*Christian Franzke*

	<a href="#">Abstract</a> . <a href="#">Full Text</a> . <a href="#">PDF (1003 KB)</a>	4183
4185	 <b>Uncertainties, Trends, and Hottest and Coldest Years of U.S. Surface Air Temperature since 1895: An Update Based on the USHCN V2 TOB Data</b> <i>Samuel S. P. Shen, Christine K. Lee, Jay Lawrimore</i> <a href="#">Abstract</a> . <a href="#">Full Text</a> . <a href="#">PDF (3873 KB)</a>	4185– 4203
4205	 <b>Multicentennial Variability of the Sea Surface Temperature Gradient across the Subpolar North Atlantic over the Last 2.8 kyr</b> <i>Arto Miettinen, Dmitry Divine, Nalan Koç, Fred Godtliebsen, Ian R. Hall</i> <a href="#">Abstract</a> . <a href="#">Full Text</a> . <a href="#">PDF (1865 KB)</a> . <a href="#">Supplemental Material</a>	4205– 4219
4220	 <b>Flow, Moisture, and Thermodynamic Variability Associated with Gulf of California Surges within the North American Monsoon</b> <i>Nicole J. Schiffer, Stephen W. Nesbitt</i> <a href="#">Abstract</a> . <a href="#">Full Text</a> . <a href="#">PDF (33592 KB)</a>	4220– 4241
4242	 <b>Relationship between Ural–Siberian Blocking and the East Asian Winter Monsoon in Relation to the Arctic Oscillation and the El Niño–Southern Oscillation</b> <i>Ho Nam Cheung, Wen Zhou, Hing Yim Mok, Man Chi Wu</i> <a href="#">Abstract</a> . <a href="#">Full Text</a> . <a href="#">PDF (2787 KB)</a>	4242– 4257
4258	 <b>Decadal Variation of Rainfall Seasonality in the North American Monsoon Region and Its Potential Causes</b> <i>Paola A. Arias, Rong Fu, Kingtse C. Mo</i> <a href="#">Abstract</a> . <a href="#">Full Text</a> . <a href="#">PDF (5045 KB)</a>	4258– 4274
4275	 <b>The Role of Atmosphere Feedbacks during ENSO in the CMIP3 Models. Part III: The Shortwave Flux Feedback</b> <i>James Lloyd, Eric Guilyardi, Hilary Weller</i> <a href="#">Abstract</a> . <a href="#">Full Text</a> . <a href="#">PDF (4894 KB)</a>	4275– 4293
4294	 <b>On the Inconsistent Relationship between Pacific and Atlantic Niños</b> <i>Joke F. Lübbbecke, Michael J. McPhaden</i> <a href="#">Abstract</a> . <a href="#">Full Text</a> . <a href="#">PDF (2925 KB)</a>	4294– 4303
4304	 <b>Seasonality of African Precipitation from 1996 to 2009</b> <i>Brant Liebmann, Ileana Bladé, George N. Kiladis, Leila M. V. Carvalho, Gabriel B. Senay, Dave Allured, Stephanie Leroux, Chris Funk</i> <a href="#">Abstract</a> . <a href="#">Full Text</a> . <a href="#">PDF (7918 KB)</a>	4304– 4322
4323	 <b>Diagnosing Kenya Rainfall in Boreal Autumn: Further Exploration</b> <i>Charles Mutai, Dierk Polzin, Stefan Hastenrath</i> <a href="#">Abstract</a> . <a href="#">Full Text</a> . <a href="#">PDF (842 KB)</a>	4323– 4329
4330	 <b>Twenty-First-Century Multimodel Subtropical Precipitation Declines Are Mostly Midlatitude Shifts</b> <i>Jack Scheff, Dargan Frierson</i> <a href="#">Abstract</a> . <a href="#">Full Text</a> . <a href="#">PDF (3264 KB)</a>	4330– 4347
4348	 <b>Tropical Cyclone Genesis Factors in Simulations of the Last Glacial Maximum</b> <i>Robert L. Korty, Suzana J. Camargo, Joseph Galewsky</i> <a href="#">Abstract</a> . <a href="#">Full Text</a> . <a href="#">PDF (4328 KB)</a>	4348– 4365
4366	 <b>Downscaling Extremes—An Intercomparison of Multiple Statistical Methods for Present Climate</b> <i>G. Bürger, T. Q. Murdock, A. T. Werner, S. R. Sobie, A. J. Cannon</i> <a href="#">Abstract</a> . <a href="#">Full Text</a> . <a href="#">PDF (3270 KB)</a>	4366– 4388
4389	 <b>Colorado River Basin Hydroclimatic Variability</b> <i>Kenneth Nowak, Martin Hoerling, Balaji Rajagopalan, Edith Zagona</i> <a href="#">Abstract</a> . <a href="#">Full Text</a> . <a href="#">PDF (3381 KB)</a>	4389– 4403