


Volume 25, Issue 19 (October 2012)

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

Select
All

 Denotes
Open
Access
Content

ARTICLES

- 6461   **Toward a Minimal Representation of Aerosols in Climate Models: Comparative Decomposition of Aerosol Direct, Semidirect, and Indirect Radiative Forcing** 6461–6476
S. J. Ghan, X. Liu, R. C. Easter, R. Zaveri, P. J. Rasch, J.-H. Yoon, B. Eaton
[Abstract](#) . [Full Text](#) . [PDF \(4292 KB\)](#)
- 6477  **AMO- and ENSO-Driven Summertime Circulation and Precipitation Variations in North America** 6477–6495
Qi Hu, Song Feng
[Abstract](#) . [Full Text](#) . [PDF \(6170 KB\)](#)
- 6496  **Bidimensional Diagnostics, Variability, and Trends of Northern Hemisphere Blocking** 6496–6509
Paolo Davini, Chiara Cagnazzo, Silvio Gualdi, Antonio Navarra
[Abstract](#) . [Full Text](#) . [PDF \(4029 KB\)](#)
- 6510  **Different El Niño Types and Tropical Cyclone Landfall in East Asia** 6510–6523
Wei Zhang, H.-F. Graf, Yee Leung, Michael Herzog
[Abstract](#) . [Full Text](#) . [PDF \(3669 KB\)](#)
- 6524  **Modulation of Tropical Cyclones over the Eastern Pacific by the Intraseasonal Variability Simulated in an AGCM** 6524–6538
Xianan Jiang, Ming Zhao, Duane E. Waliser
[Abstract](#) . [Full Text](#) . [PDF \(2228 KB\)](#)
- 6539  **The Interannual Variability of Summer Upper-Tropospheric Temperature over East Asia** 6539–6553
Lixia Zhang, Tianjun Zhou
[Abstract](#) . [Full Text](#) . [PDF \(2889 KB\)](#)
- 6554  **Modulation of Atmospheric Response to North Pacific SST Anomalies under Global Warming: A Statistical Assessment** 6554–6566
Bolan Gan, Lixin Wu
[Abstract](#) . [Full Text](#) . [PDF \(4969 KB\)](#)
- 6567  **Changing the Climate Sensitivity of an Atmospheric General Circulation Model through Cloud Radiative Adjustment** 6567–6584
Andrei P. Sokolov, Erwan Monier
[Abstract](#) . [Full Text](#) . [PDF \(20334 KB\)](#)
- 6585  **On the Surface Temperature Sensitivity of the Reflected Shortwave, Outgoing Longwave, and Net Incident Radiation** 6585–6593
Hartmut H. Aumann, Alexander Ruzmaikin, Ali Behrangi
[Abstract](#) . [Full Text](#) . [PDF \(1118 KB\)](#)
- 6594  **Asian Origin of Interannual Variations of Summer Climate over the Extratropical North Atlantic Ocean** 6594–6609
Ping Zhao, Song Yang, Renguang Wu, Zhiping Wen, Junming Chen, Huijun Wang
[Abstract](#) . [Full Text](#) . [PDF \(2436 KB\)](#)
- 6610  **Modeling the Response of Marine Boundary Layer Clouds to Global Warming: The Impact of Subgrid-Scale Precipitation Formation** 6610–6626
Axel Lauer, Ralf Bennartz, Kevin Hamilton, Yuqing Wang
[Abstract](#) . [Full Text](#) . [PDF \(17878 KB\)](#)

- 6627  **Influence of the Kuroshio in the East China Sea on the Early Summer (Baiu) Rain** 6627–6645
Yoshi N. Sasaki, S. Minobe, T. Asai, M. Inatsu
[Abstract](#) . [Full Text](#) . [PDF \(10527 KB\)](#)
- 6646  **GFDL's ESM2 Global Coupled Climate–Carbon Earth System Models. Part I: Physical Formulation and Baseline Simulation Characteristics** 6646–6665
John P. Dunne, Jasmin G. John, Alistair J. Adcroft, Stephen M. Griffies, Robert W. Hallberg, Elena Shevliakova, Ronald J. Stouffer, William Cooke, Krista A. Dunne, Matthew J. Harrison, John P. Krasting, Sergey L. Malyshev, P. C. D. Milly, Peter J. Phillipps, Lori T. Sentman, Bonita L. Samuels, Michael J. Spelman, Michael Winton, Andrew T. Wittenberg, Niki Zadeh
[Abstract](#) . [Full Text](#) . [PDF \(7948 KB\)](#)
- 6666  **Climatic Role of North American Low-Level Jets on U.S. Regional Tornado Activity** 6666–6683
Scott J. Weaver, Stephen Baxter, Arun Kumar
[Abstract](#) . [Full Text](#) . [PDF \(6818 KB\)](#)
- 6684  **The Temporal Autocorrelation Structure of Sea Surface Winds** 6684–6700
Adam H. Monahan
[Abstract](#) . [Full Text](#) . [PDF \(2577 KB\)](#)
- 6701  **Warm Season Response over North America to a Shutdown of the Atlantic Meridional Overturning Circulation and CO₂ Increases** 6701–6720
Bing Pu, Edward K. Vizy, Kerry H. Cook
[Abstract](#) . [Full Text](#) . [PDF \(4347 KB\)](#)
- 6721  **The 1960s Drought and the Subsequent Shift to a Wetter Climate in the Catskill Mountains Region of the New York City Watershed** 6721–6742
Richard Seager, Neil Pederson, Yochanan Kushnir, Jennifer Nakamura, Stephanie Jurburg
[Abstract](#) . [Full Text](#) . [PDF \(6818 KB\)](#)
- 6743  **Mechanisms behind the Temporary Shutdown of Deep Convection in the Labrador Sea: Lessons from the Great Salinity Anomaly Years 1968–71** 6743–6755
Renske Gelderloos, Fiammetta Straneo, Caroline A. Katsman
[Abstract](#) . [Full Text](#) . [PDF \(1459 KB\)](#)
- 6756  **A Zonal Wavenumber 3 Pattern of Northern Hemisphere Wintertime Planetary Wave Variability at High Latitudes** 6756–6769
Haiyan Teng, Grant Branstator
[Abstract](#) . [Full Text](#) . [PDF \(7060 KB\)](#)
- 6770  **Quantifying the Relevance of Cyclones for Precipitation Extremes** 6770–6780
Stephan Pfahl, Heini Wernli
[Abstract](#) . [Full Text](#) . [PDF \(3472 KB\)](#)
- 6781  **Eastern Patagonia Seasonal Precipitation: Influence of Southern Hemisphere Circulation and Links with Subtropical South American Precipitation** 6781–6795
Ana Laura Berman, Gabriel Silvestri, Rosa Compagnucci
[Abstract](#) . [Full Text](#) . [PDF \(3238 KB\)](#)
- 6796  **Assessing Atmospheric Response to Surface Forcing in the Observations. Part I: Cross Validation of Annual Response Using GEFA, LIM, and FDT** 6796–6816
Zhengyu Liu, Na Wen, Lei Fan
[Abstract](#) . [Full Text](#) . [PDF \(2474 KB\)](#)
- 6817  **Assessing Atmospheric Response to Surface Forcing in the Observations. Part II: Cross Validation of Seasonal Response Using GEFA and LIM** 6817–6834
Zhengyu Liu, Lei Fan, Sang-Ik Shin, Qinyu Liu
[Abstract](#) . [Full Text](#) . [PDF \(4970 KB\)](#)
- 6835  **Climatology and Formation of Tropical Midlevel Clouds at the Darwin ARM Site** 6835–6850
Laura D. Riihimaki, Sally A. McFarlane, Jennifer M. Comstock
[Abstract](#) . [Full Text](#) . [PDF \(2078 KB\)](#)
- 6851  **Hourly Rainfall Changes in Response to Surface Air Temperature over Eastern Contiguous China** 6851–

Rucong Yu, Jian Li

[Abstract](#) . [Full Text](#) . [PDF \(1922 KB\)](#)

6861

6862  **CALIPSO-Derived Three-Dimensional Structure of Aerosol over the Atlantic Basin and Adjacent Continents**

Aaron M. Adams, Joseph M. Prospero, Chidong Zhang

[Abstract](#) . [Full Text](#) . [PDF \(7158 KB\)](#)

6862–
6879

CORRIGENDUM

6880  **CORRIGENDUM**

Ghassan J. Alaka, Eric D. Maloney

[Citation](#) . [Full Text](#) . [PDF \(1043 KB\)](#) | [Original Article](#)

6880–
6881