












Volume 25, Issue 18 (September 2012)

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

Select All  Denotes Open Access Content

ARTICLES

- 6057  **Precipitation Climatology in an Ensemble of CORDEX-Africa Regional Climate Simulations** 6057–6078
Grigory Nikulin, Colin Jones, Filippo Giorgi, Ghassem Asrar, Matthias Büchner, Ruth Cerezo-Mota, Ole Bøssing Christensen, Michel Déqué, Jesus Fernandez, Andreas Hänsler, Erik van Meijgaard, Patrick Samuelsson, Mouhamadou Bamba Sylla, Laxmi Sushama
[Abstract](#) . [Full Text](#) . [PDF \(14159 KB\)](#)
- 6079  **Large-Scale Atmospheric Circulation Favoring Deep- and Intermediate-Water Formation in the Mediterranean Sea** 6079–6091
Vassilis P. Papadopoulos, Simon A. Josey, Aristides Bartzokas, Samuel Somot, Simon Ruiz, Paraskevi Drakopoulou
[Abstract](#) . [Full Text](#) . [PDF \(5420 KB\)](#)
- 6092  **Large-Scale Diagnostics of Tropical Cyclogenesis Potential Using Environment Variability Metrics and Logistic Regression Models** 6092–6107
Jeffrey J. Waters, Jenni L. Evans, Chris E. Forest
[Abstract](#) . [Full Text](#) . [PDF \(3078 KB\)](#)
- 6108  **Tropical Cyclone Climatology of the South Pacific Ocean and Its Relationship to El Niño–Southern Oscillation** 6108–6122
Andrew J. Dowdy, Lixin Qi, David Jones, Hamish Ramsay, Robert Fawcett, Yuri Kuleshov
[Abstract](#) . [Full Text](#) . [PDF \(3111 KB\)](#)
- 6123  **On the Observed Trends and Changes in Global Sea Surface Temperature and Air–Sea Heat Fluxes (1984–2006)** 6123–6135
W. G. Large, S. G. Yeager
[Abstract](#) . [Full Text](#) . [PDF \(11803 KB\)](#)
- 6136  **Influence of ENSO on Pacific Decadal Variability: An Analysis Based on the NCEP Climate Forecast System** 6136–6151
Hui Wang, Arun Kumar, Wanqiu Wang, Yan Xue
[Abstract](#) . [Full Text](#) . [PDF \(3466 KB\)](#)
- 6152  **On the Annual Cycle, Variability, and Correlations of Oceanic Low-Topped Clouds with Large-Scale Circulation Using *Aqua* MODIS and ERA-Interim** 6152–6174
Terence L. Kubar, Duane E. Waliser, J.-L. Li, Xianan Jiang
[Abstract](#) . [Full Text](#) . [PDF \(20123 KB\)](#)
- 6175  **Southeast Pacific Stratocumulus in the Community Atmosphere Model** 6175–6192
Brian Medeiros, David L. Williamson, Cécile Hannay, Jerry G. Olson
[Abstract](#) . [Full Text](#) . [PDF \(2073 KB\)](#)
- 6193  **Developing an Index to Measure Urban Heat Island Effect Using Satellite Land Skin Temperature and Land Cover Observations** 6193–6201
Menglin S. Jin
[Abstract](#) . [Full Text](#) . [PDF \(2229 KB\)](#)
- 6202   **Diagnosis of Tropical Biases and the MJO from Patterns in the MERRA Analysis Tendency Fields** 6202–6214
Brian E. Mapes, Julio T. Bacmeister
[Abstract](#) . [Full Text](#) . [PDF \(3740 KB\)](#)
- 6215  **Daily, Global, High-Resolution SST and Sea Ice Reanalysis for 1985–2007 Using the OSTIA System** 6215–6232
Jonah Roberts-Jones, Emma Kathleen Fiedler, Matthew James Martin
[Abstract](#) . [Full Text](#) . [PDF \(4118 KB\)](#)

- 6233   **Global Ocean Surface Wave Simulation Using a Coupled Atmosphere–Wave Model**
Yalin Fan, Shian-Jiann Lin, Isaac M. Held, Zhitao Yu, Hendrik L. Tolman
[Abstract](#) . [Full Text](#) . [PDF \(8256 KB\)](#) 6233–6252
- 6253   **Seasonal Zonal Asymmetries in the Southern Annular Mode and Their Impact on Regional Temperature Anomalies**
Ryan L. Fogt, Julie M. Jones, James Renwick
[Abstract](#) . [Full Text](#) . [PDF \(5014 KB\)](#) 6253–6270
- 6271   **An Improved Dynamical Downscaling Method with GCM Bias Corrections and Its Validation with 30 Years of Climate Simulations**
Zhongfeng Xu, Zong-Liang Yang
[Abstract](#) . [Full Text](#) . [PDF \(3388 KB\)](#) 6271–6286
- 6287   **Climatological Evolution of the Okinawa Baiu and Differences in Large-Scale Features during May and June**
Yasuko Okada, Koji Yamazaki
[Abstract](#) . [Full Text](#) . [PDF \(11119 KB\)](#) 6287–6303
- 6304    **DART/CAM: An Ensemble Data Assimilation System for CESM Atmospheric Models**
Kevin Raeder, Jeffrey L. Anderson, Nancy Collins, Timothy J. Hoar, Jennifer E. Kay, Peter H. Lauritzen, Robert Pincus
[Abstract](#) . [Full Text](#) . [PDF \(2402 KB\)](#) 6304–6317
- 6318   **An Asymmetry in the IOD and ENSO Teleconnection Pathway and Its Impact on Australian Climate**
Wenju Cai, Peter van Rensch, Tim Cowan, Harry H. Hendon
[Abstract](#) . [Full Text](#) . [PDF \(2676 KB\)](#) 6318–6329
- 6330   **Influence of the Tropics on the Southern Annular Mode**
Qinghua Ding, Eric J. Steig, David S. Battisti, John M. Wallace
[Abstract](#) . [Full Text](#) . [PDF \(3676 KB\)](#) 6330–6348
- 6349   **Coupled Ocean–Atmosphere Variations over the South Atlantic Ocean**
Paulo Nobre, Roberto A. De Almeida, Marta Malagutti, Emanuel Giarolla
[Abstract](#) . [Full Text](#) . [PDF \(2151 KB\)](#) 6349–6358
- 6359   **Projected Changes in the Seasonal Cycle of Surface Temperature**
John G. Dwyer, Michela Biasutti, Adam H. Sobel
[Abstract](#) . [Full Text](#) . [PDF \(3380 KB\)](#) 6359–6374
- 6375   **North Australian Sea Surface Temperatures and the El Niño–Southern Oscillation in the CMIP5 Models**
Jennifer L. Catto, Neville Nicholls, Christian Jakob
[Abstract](#) . [Full Text](#) . [PDF \(3176 KB\)](#) 6375–6382
- 6383   **Patterns of CO₂ Variability from Global Satellite Data**
Alexander Ruzmaikin, Hartmut H. Aumann, Thomas S. Pagano
[Abstract](#) . [Full Text](#) . [PDF \(3787 KB\)](#) 6383–6393
- 6394   **Mechanisms Contributing to the Warming Hole and the Consequent U.S. East–West Differential of Heat Extremes**
Gerald A. Meehl, Julie M. Arblaster, Grant Branstator
[Abstract](#) . [Full Text](#) . [PDF \(5234 KB\)](#) 6394–6408
- 6409   **Ocean–Atmosphere Characteristics of Tropical Instability Waves Simulated in the NCEP Climate Forecast System Reanalysis**
Caihong Wen, Yan Xue, Arun Kumar
[Abstract](#) . [Full Text](#) . [PDF \(6087 KB\)](#) 6409–6425
- 6426   **Eclipse Ice Core Accumulation and Stable Isotope Variability as an Indicator of North Pacific Climate**
Eric P. Kelsey, Cameron P. Wake, Kaplan Yalcin, Karl Kreutz
[Abstract](#) . [Full Text](#) . [PDF \(1974 KB\)](#) 6426–6440
- 6441   **The Influence of Boundary Layer Processes on the Diurnal Variation of the Climatological Near-Surface Wind Speed Probability Distribution over Land**
Yanping He, Norman A. McFarlane, Adam H. Monahan 6441–6458

[Abstract](#) . [Full Text](#) . [PDF \(2231 KB\)](#) . [Supplemental Material](#)