


Volume 25, Issue 23 (December 2012)

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

Select
All


Denotes
Open
Access
Content

ARTICLES

- 8009  **On the Relationship between Decadal Buoyancy Anomalies and Variability of the Atlantic Meridional Overturning Circulation** 8009–8030
Martha W. Buckley, David Ferreira, Jean-Michel Campin, John Marshall, Ross Tulloch
[Abstract](#) . [Full Text](#) . [PDF \(2744 KB\)](#)
- 8031  **Interannual Tropospheric Aerosol Variability in the Late Twentieth Century and Its Impact on Tropical Atlantic and West African Climate by Direct and Semidirect Effects** 8031–8056
Salil Mahajan, Katherine J. Evans, John E. Truesdale, James J. Hack, Jean-François Lamarque
[Abstract](#) . [Full Text](#) . [PDF \(13607 KB\)](#)
- 8057  **Influence of the Madden–Julian Oscillation and Intraseasonal Waves on Surface Wind and Convection of the Tropical Atlantic Ocean** 8057–8074
Wei Yu, Weiqing Han, David Gochis
[Abstract](#) . [Full Text](#) . [PDF \(5368 KB\)](#)
- 8075  **Wind Field Climatology, Changes, and Extremes in the Chukchi–Beaufort Seas and Alaska North Slope during 1979–2009** 8075–8089
Steve T. Stegall, Jing Zhang
[Abstract](#) . [Full Text](#) . [PDF \(5627 KB\)](#)
- 8090  **Cloud-Resolving Model Simulations and a Simple Model of an Idealized Walker Cell** 8090–8107
Jonathan Wofsy, Zhiming Kuang
[Abstract](#) . [Full Text](#) . [PDF \(4207 KB\)](#)
- 8108  **Homogenization of the Global Radiosonde Temperature Dataset through Combined Comparison with Reanalysis Background Series and Neighboring Stations** 8108–8131
Leopold Haimberger, Christina Tavalato, Stefan Sperka
[Abstract](#) . [Full Text](#) . [PDF \(3793 KB\)](#)
- 8132  **Multiplicative MJO Forcing of ENSO** 8132–8147
Atul Kapur, Chidong Zhang
[Abstract](#) . [Full Text](#) . [PDF \(2241 KB\)](#)
- 8148  **Ocean Heat Transport and Its Projected Change in CanESM2** 8148–8163
Duo Yang, Oleg A. Saenko
[Abstract](#) . [Full Text](#) . [PDF \(2334 KB\)](#)
- 8164  **Constraining Wind Stress Products with Sea Surface Height Observations and Implications for Pacific Ocean Sea Level Trend Attribution** 8164–8176
Shayne McGregor, Alexander Sen Gupta, Matthew H. England
[Abstract](#) . [Full Text](#) . [PDF \(3193 KB\)](#) . [Supplemental Material](#)
- 8177  **Influences of ENSO Teleconnection on the Persistence of Sea Surface Temperature in the Tropical Indian Ocean** 8177–8195
Ruiqiang Ding, Jianping Li
[Abstract](#) . [Full Text](#) . [PDF \(7843 KB\)](#)
- 8196  **Variations in Tropical Cyclone Genesis Factors in Simulations of the Holocene Epoch** 8196–8211
Robert L. Korty, Suzana J. Camargo, Joseph Galewsky
[Abstract](#) . [Full Text](#) . [PDF \(2935 KB\)](#)

- 8212  **Can a Regional Climate Model Improve the Ability to Forecast the North American Monsoon?** 8212–
Christopher L. Castro, Hsin-I Chang, Francina Dominguez, Carlos Carrillo, Jae-Kyung Schemm, Hann-Ming Henry 8237
Juang
[Abstract](#) . [Full Text](#) . [PDF \(10783 KB\)](#)
- 8238  **Cloud Properties over the North Slope of Alaska: Identifying the Prevailing Meteorological Regimes** 8238–
Johannes Mülmenstädt, Dan Lubin, Lynn M. Russell, Andrew M. Vogelmann 8258
[Abstract](#) . [Full Text](#) . [PDF \(5583 KB\)](#)
- 8259  **Upward Shift of the Atmospheric General Circulation under Global Warming: Theory and Simulations** 8259–
Martin S. Singh, Paul A. O’Gorman 8276
[Abstract](#) . [Full Text](#) . [PDF \(2825 KB\)](#)
- 8277  **Surface Energy Balance Framework for Arctic Amplification of Climate Change** 8277–
Glen Lesins, Thomas J. Duck, James R. Drummond 8288
[Abstract](#) . [Full Text](#) . [PDF \(1598 KB\)](#)
- 8289  **Robust Identification of Global Greening Phase Patterns from Remote Sensing Vegetation Products** 8289–
Carola Dahlke, Alexander Loew, Christian Reick 8307
[Abstract](#) . [Full Text](#) . [PDF \(4098 KB\)](#)
- 8308  **The Role of Atmospheric Dynamics and Climate Change on the Possible Fate of Glaciers in the Karakoram** 8308–
Tamara J. Janes, Andrew B. G. Bush 8327
[Abstract](#) . [Full Text](#) . [PDF \(4823 KB\)](#)
- 8328  **A Role of the Yellow and East China Seas in the Development of Extratropical Cyclones in Winter** 8328–
Atsuhiko Isobe, Shin’ichiro Kako 8340
[Abstract](#) . [Full Text](#) . [PDF \(2748 KB\)](#)
- 8341  **Constraints on the Profiles of Total Water PDF in AGCMs from AIRS and a High-Resolution Model** 8341–
Andrea Molod 8352
[Abstract](#) . [Full Text](#) . [PDF \(1238 KB\)](#)
- 8353  **Global Atmospheric Evaporative Demand over Land from 1973 to 2008** 8353–
Kaicun Wang, Robert E. Dickinson, Shunlin Liang 8361
[Abstract](#) . [Full Text](#) . [PDF \(3146 KB\)](#)
- 8362  **Warming of the Intermediate Atlantic Water of the Arctic Ocean in the 2000s** 8362–
Igor V. Polyakov, Andrey V. Pnyushkov, Leonid A. Timokhov 8370
[Abstract](#) . [Full Text](#) . [PDF \(4074 KB\)](#)