Wetter subtropics and Hadley/Walker circulation in mid-Pliocene simulated by an atmospheric general circulation model.

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<th>著者別名</th>
<th>釜江 陽一 ▪ 植田 宏昭</th>
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<td>内容記述</td>
<td>热带気候システムを扱った気候再現モデルを用いた中期新世遮熱・ウェーティン・ホーアキャリケーションのシミュレーション結果が示す気候の変動とその機序（未発表）</td>
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Wetter subtropics and Hadley/Walker circulation in mid-Pliocene simulated by an atmospheric general circulation model

*Kamae, Y1, H. Ueda1, A. Kitoh2
1Graduate School of Life and Environmental Sciences, Univ. Tsukuba
2Meteorological Research Institute

Experimental design

Model

AGCM in MRI-CGCM2.3.2
Yukimoto et al. (2001, 2006)
T42L30 (~280km grid)

Boundary condition

Purpose

Simulating atmospheric general circulation and hydrological cycle with boundary conditions reconstructed by proxy data

Results

Global mean: +2.1K

Temperature

Global mean: +3.1%

Precipitation

Sensitivity experiments

Idealized SST experiments

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Summary

Acknowledgment

Part of numerical calculations for the present work have been carried out under the "Interdisciplinary Computational Science Program" in Center for Computational Sciences, University of Tsukuba.

E-mail: s0930225@u.tsukuba.ac.jp
URL: http://www.u.tsukuba.ac.jp/~s0930225