

Home

Online Library ACP

- ▣ Recent Final Revised Papers
- ▣ [Volumes and Issues](#)
- ▣ Special Issues
- ▣ Library Search
- ▣ Title and Author Search

Online Library ACPD

Alerts & RSS Feeds

General Information

Submission

Review

Production

Subscription

Comment on a Paper

▣ [Volumes and Issues](#) ▣ [Contents of Issue 6](#)

Atmos. Chem. Phys., 8, 1701-1712, 2008

www.atmos-chem-phys.net/8/1701/2008/

© Author(s) 2008. This work is distributed under the Creative Commons Attribution 3.0 License.

Technical Note: Description and assessment of a nudged version of the new dynamics Unified Model

P. J. Telford, P. Braesicke, O. Morgenstern, and J. A. Pyle
University of Cambridge, Cambridge NCAS-Climate, UK

Abstract. We present a "nudged" version of the Met Office general circulation model, the Unified Model. We constrain this global climate model using ERA-40 re-analysis data with the aim of reproducing the observed "weather" over a year from September 1999. Quantitative assessments are made of its performance, focusing on dynamical aspects of nudging and demonstrating that the "weather" is well simulated.

▣ [Final Revised Paper](#) (PDF, 4802 KB) ▣ [Discussion Paper](#) (ACPD)

Citation: Telford, P. J., Braesicke, P., Morgenstern, O., and Pyle, J. A.: Technical Note: Description and assessment of a nudged version of the new dynamics Unified Model, Atmos. Chem. Phys., 8, 1701-1712, 2008. ▣ [Bibtex](#) ▣ [EndNote](#) ▣ [Reference Manager](#)

Impact
Factor
4.865

ISI
indexed



Search ACP

Library Search

Author Search

News

- ▣ [Sister Journals AMT & GMD](#)
- ▣ [Financial Support for Authors](#)
- ▣ [Journal Impact Factor](#)
- ▣ [Public Relations & Background Information](#)

Recent Papers

01 | ACPD, 03 Nov 2008:
Anthropogenic influence on SOA and the resulting radiative forcing

02 | ACPD, 03 Nov 2008:
Evidence of mineral dust altering cloud microphysics and precipitation

03 | ACPD, 03 Nov 2008:
Technical Note: A new method for the Lagrangian tracking of pollution plumes from source to receptor using gridded model output

04 | ACPD, 03 Nov 2008: