

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

Impact
Factor
4.865

ISI
indexed



▣ [Volumes and Issues](#) ▣ [Contents of Issue 8](#)

Atmos. Chem. Phys., 5, 2147-2154, 2005

www.atmos-chem-phys.net/5/2147/2005/

© Author(s) 2005. This work is licensed under a Creative Commons License.

Comparison of rain gauge observations with modeled precipitation over Cyprus using Contiguous Rain Area analysis

N. Tartaglione¹, S. Mariani², C. Accadia², A. Speranza³, and M. Casaioli²

¹Department of Physics, University of Camerino, Camerino, Italy

²Agenzia per la Protezione dell'Ambiente e per i Servizi Tecnici, Rome, Italy

³Department of Mathematics and Informatics, University of Camerino, Camerino, Italy

Abstract. Verification of modeled rainfall with precipitation observed by a rain gauge network has been performed in a case study over the Cyprus Island. Cyprus has a relatively dense rain gauge network. The applied verification method is the Contiguous Rain Area (CRA) analysis. Some drawbacks of the CRA method are pointed out when it is applied to such a case study. Impact on the CRA results, when considering different dimensions of the verification sub-domain and different types of indicators (correlation and mean square error) used in the comparison, are discussed. Results indicate that care should be taken when verification of modeled rainfall is performed over a domain smaller than the model one.

▣ [Final Revised Paper](#) (PDF, 3724 KB) ▣ [Discussion Paper](#) (ACPD)

Citation: Tartaglione, N., Mariani, S., Accadia, C., Speranza, A., and Casaioli, M.: Comparison of rain gauge observations with modeled precipitation over Cyprus using Contiguous Rain Area analysis, Atmos. Chem. Phys., 5, 2147-2154, 2005. ▣ [Bibtex](#) ▣ [EndNote](#) [Reference Manager](#)



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 | ACP, 16 Feb 2009:
Total and partial cloud amount detection during summer 2005 at Westerland (Sylt, Germany)

02 | ACP, 16 Feb 2009:
Attribution of projected changes in summertime US ozone and PM_{2.5} concentrations to global changes

03 | ACP, 16 Feb 2009:
Simulation of dust aerosol and its regional feedbacks over East Asia using a regional climate model