| EGU.eu | | EGU Journals | Contact |

Home

Online Library

- Recent Papers
- Volumes
- Library Search
- Title and Author Search

RSS Feeds

General Information

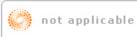
Submission

Review

Production

Subscription





SCOPUS SNIP 0.287

SCOPUS SJR 0.054

■ Definitions 🗗



■ Volumes ■ Contents of Volume 25

Adv. Geosci., 25, 91-95, 2010 www.adv-geosci.net/25/91/2010/ doi:10.5194/adgeo-25-91-2010 © Author(s) 2010. This work is distributed under the Creative Commons Attribution 3.0 License.

The effect of radar-based QPE on the Fractions Skill Score used at the QPF verification

P. Zacharov and D. Rezacova Institute for Atmospheric Physics, Prague, Czech Republic

Abstract. In this paper we show the influence of gauge adjustment technique, applied to radar-based rainfalls, on the results of QPF verification. The results were obtained for four convective events which produced heavy local rainfalls and caused local flash floods at the Czech territory. Numerical weather prediction model COSMO was run to obtain rainfall forecast and Fractions Skill Score was employed in the QPF verification. Three different radar-based quantitative precipitation estimates (QPE) were used for the verification and the verification results were compared. The QPE data sets consisted of: (a) raw radar-based rainfall values, (b) gauge corrected radar-based rainfalls with a simple domain-wide correction, and (c) radar-based rainfalls with a pixel related gauge adjustment. The results indicate small difference in area-related verification results and prove that the simple domain wide correction technique is sufficient for applying radar-based rainfalls as the verification data.

■ Full Article in PDF (PDF, 466 KB)

Citation: Zacharov, P. and Rezacova, D.: The effect of radar-based QPE on the Fractions Skill Score used at the QPF verification, Adv. Geosci., 25, 91-95, doi:10.5194/adgeo-25-91-2010,

2010. ■ Bibtex ■ EndNote ■ Reference Manager ■ XML



Search ADGEO

Full Text Search

Title Search

Author Search

News

Please Note: Updated Reference Guidelines

Recent Papers

01 | ADGEO, 22 Nov 2010: Tropopause and jetlet characteristics in relation to thunderstorm development over Cyprus

02 | ADGEO, 22 Nov 2010: Probabilistic prediction of raw and BMA calibrated AEMET-SREPS: the 24 of January 2009 extreme wind event in Catalunya

03 | ADGEO, 15 Nov 2010: Investigation of trends in synoptic patterns over Europe with artificial neural networks