

Home

Online Library

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

RSS Feeds

General Information

Submission

Review

Production

Subscription



Volumes Contents of Volume 20

Adv. Geosci., 20, 45-50, 2009

www.adv-geosci.net/20/45/2009/

© Author(s) 2009. This work is distributed under the Creative Commons Attribution 3.0 License.

## Characteristics of the extreme warm and cold days over Greece

M. S. Varfi, T. S. Karacostas, T. J. Makrogiannis, and A. A. Flocas  
Department of Meteorology and Climatology, Aristotle University of Thessaloniki, Greece

**Abstract.** An attempt is made to study the characteristics of the extreme warm and cold days over the major area of Greece. To meet this objective, the daily maximum and minimum air temperature values are used, obtained from seventeen (17) synoptic weather stations, covering the broad study area. The extreme warm and cold days are identified based upon the proposed and adopted criteria, which are applied for the period 1961–2000. Seven regional decadal indices measuring the frequency of occurrence, the magnitude and the intensity of the extreme temperature values are calculated. The study of the indices revealed that after the 70' the frequency of occurrence and the intensity of cold days follow a negative trend, as opposed to the frequency of occurrence and the intensity of the warm days that follow a positive trend. Moreover, the proposed indices confirm the cooling conditions that Greece experienced in the 70's and early 80's and the warming trend afterwards.

Full Article in PDF (PDF, 384 KB)

Citation: Varfi, M. S., Karacostas, T. S., Makrogiannis, T. J., and Flocas, A. A.: Characteristics of the extreme warm and cold days over Greece, Adv. Geosci., 20, 45-50, 2009. Bibtex EndNote Reference Manager



Search ADGEO

Library Search

Author Search

News

- New Tax Regulation for Service Charges

Recent Papers

01 | ADGEO, 27 Jan 2010: Recent variation of the Las Vacas Glacier Mt. Aconcagua region, Central Andes, Argentina, based on ASTER stereoscopic images

02 | ADGEO, 17 Dec 2009: First insights on Lake General Carrera/Buenos Aires/Chelénko water balance

03 | ADGEO, 17 Dec 2009: A Terrestrial Reference Frame (TRF), coordinates and velocities for South American stations: contributions to Central Andes geodynamics