

3. RESULTS

Sample analyses for tourism climate conditions can be analysed by RayMan by the use of synoptical and climatological data. Fig. 2 gives the annual variation of Physiological Equivalent Temperature (PET) in Pafos/Cyprus at 5 and 13 UTC for the Period 1. February 2000 to 31. January 2001 (Andrea, 2000).

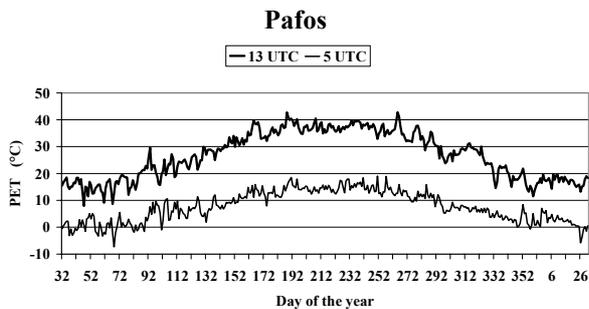


FIG. 2. Physiological Equivalent Temperature (PET) at 5 and 13 UTC in Pafos for the period 1.2.2000 to 31.1.2001.

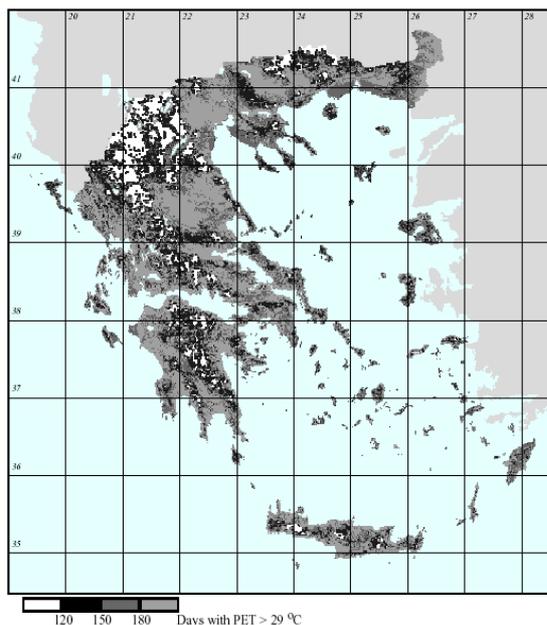


FIG. 3. Spatial distribution of days with Physiological Equivalent Temperature (PET) > 29 °C in Greece at 12 UTC.

As a typical example of tourism climate mapping based on thermal indices Fig. 3 gives the spatial distribution of days with Physiological Equivalent Temperature (PET) > 29 °C in

Greece at 12 UTC for the period 1980-1989. This kind of maps can be helpful for the duration of the tourism period.

CONCLUSIONS

For the evaluation of climate conditions for tourism detailed information about the thermal environment are required.

The information must also be presented in a way that can be easily understood, not only by people in other disciplines but also by members of the public.

Methods and results have been documented and are now available and downloadable in internet for general use. RayMan is available under (<http://www.mif.uni-freiburg.de/rayman>). Climate Information for Greece is available and downloadable in Internet (<http://www.mif.uni-freiburg.de/tourclimgr>).

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