

Interactive comment on “On the aerosol weekly cycle spatiotemporal variability over Europe” by A. K. Georgoulias and K. A. Kourtidis

D. Schultz

david.schultz@manchester.ac.uk

Received and published: 18 February 2011

On p. 1389, lines 3-7, the authors present a list of citations that find a weekly cycle in weather phenomena. I am unaware of the whole suite of possible papers that could be cited here, but I am aware of several references that show no cycles at stations around the world. The following text is cited from our paper:

Schultz, D. M., S. Mikkonen, A. Laaksonen, and M. B. Richman (2007), Weekly precipitation cycles? Lack of evidence from United States surface stations, *Geophys. Res. Lett.*, 34, L22815, doi:10.1029/2007GL031889.

... no statistically significant signal was found between weekday and weekend precipitation at Vienna, Austria [Cehak, 1982], at five Midwestern US cities [Horsley and

Full Screen / Esc

Printer-friendly Version

Interactive Discussion

Discussion Paper



Diebolt, 1995], and at 92 stations in the United Kingdom [Wilby and Tomlinson, 2000].

...DeLisi et al. [2001] examined the weekly surface precipitation records from seven coastal cities in the northeastern United States between 1973 and 1992 and found no such weekly cycles.

In addition, in our paper, we found problems with Cervený and Balling's satellite-derived precipitation measurements, which we discussed in paragraph [4] of Schultz et al. (2007).

Thus, I think the authors should present a more balanced introduction by citing these five articles.

Interactive comment on Atmos. Chem. Phys. Discuss., 11, 1385, 2011.

Full Screen / Esc

Printer-friendly Version

Interactive Discussion

Discussion Paper

