

***Interactive comment on* “Recent climate change in Japan – spatial and temporal characteristics of trends of temperature” by D. Schaefer and M. Domroes**

Anonymous Referee #2

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This paper shows recent increasing temperature trends in Japan over 1901-2000 and larger increase in the recent period 1976-2000. This fact is already investigated and published in reports of Japan Meteorological Agency such as:

Fujibe, F., 1995: Temperature rising trends at Japanese cities during the last hundred years and their relationship with population, population increasing rates and daily temperature ranges. *Pap. Meteorol. Geophys.*, 46, 35-55.

Fujibe, F., N. Yamazaki, K. Kobayashi and H. Nakamigawa, 2007: Long-term changes of temperature extremes and day-to-day variability in Japan. *Pap. Meteorol. Geophys.*, 58, 63-72. (both are available from J-STAGE:

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<http://www.jstage.jst.go.jp/browse/mripapers>)

Japan Meteorological Agency, 2005: Report on Climate Change 2005, section 2.1. (in Japanese)

http://www.data.kishou.go.jp/climate/cpdinfo/climate_change/2005/pdf/2005_2-1.pdf

http://www.data.kishou.go.jp/climate/cpdinfo/climate_change/2005/2.1.2.html

The above literatures also discuss Japan's temperature trends for stations where urban effect is minimum, medium and large depending on populations. Why compare global mean and Tokyo where urbanization effect is very large? Correlating global warming and local mega-city's temperature trend cannot be justified. This manuscript ignores existing literatures on temperature trends in Japan and seems to contain no new findings on this aspect. The reviewer recommends the author to search for existing literatures written in English or ask the acknowledged person in the manuscript for more complete Japanese literatures.

Interactive comment on Clim. Past Discuss., 4, 495, 2008.

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4, S174–S175, 2008

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