

Interactive comment on “Spatial and seasonal variations in evapotranspiration over Canada’s landmass” by S. Wang et al.

Anonymous Referee #2

Received and published: 19 July 2013

This manuscript describes an evapotranspiration dataset produced over the entire Canadian landmass using the land surface model EALCO with input data from remote sensing and climate reanalysis- and observation-based dataset. Evapotranspiration is a poor-quantified, particularly in the high latitudes. This manuscript represents a major contribution to our knowledge on ET. The model parameterization, model results and the evaluation against previous studies published in various literatures make this paper stronger. The paper is well written, clear, and easy to read. I suggest minor revision to address the following specific comments.

1. Add symbol Q when “streamflow” is first mentioned on page 6108, line 23.
2. On page 6111, line 13-14. Change the sentence “The meteorological data were

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found to have large biases relative to observations” to “The meteorological data produced by climate model were found to have large biases relative to observations”?

3. On page 6111, line 17. Add a reference to illustrate the source of the results.
4. On page 6111, line 12. Give the full name of NCEP in its first appearance at page 6110, line 2.
5. In Section 4, comparison with other studies, why the results of Fernandes et al (2007) were not included for comparison?

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 10, 6107, 2013.