

Interactive comment on “Diurnal pattern of the drying front in the desert and its application for determining the effective infiltration” by Y. Zeng et al.

Anonymous Referee #2

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The article addresses a very important issue of determination of diurnal pattern of a drying front and its application for the determination of the effective infiltration. The article is very well written. This study was conducted on the flat area at the foot of sand dunes. However, in the field this is not the case, sand dunes generally are undulated. There is need to further elaborate how this drying front could be useful under undulated conditions.

In the present form, the conclusions are essentially a summary of the article. Please give only conclusions avoiding unnecessary details in this section.

Minor corrections:

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P. 1026, paragraph 4: January become -10° should be -10°C P. 1026, paragraph 10: measurements of soil water content, soil temperature and soil matric potential were conducted, may be rewritten as soil water content, temperature and matric potential were measured. P. 1026, paragraph: at no. of places the precipitation range has been given e.g. 84 mm to 120 mm. It may be as 84 to 120 mm.

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6, C648–C649, 2009

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