

Interactive comment on “The 4.2 ka event: multi-proxy records from a closed lake in the northern margin of the East Asian summer monsoon” by Jule Xiao et al.

Anonymous Referee #2

Received and published: 15 July 2018

In the paper, Xiao et al. present new paleoclimate records from Hulun Lake, to show the dry event at the interval of 4230–3820 cal. Yr BP. The paper is well written. I only have two suggestions for minor revisions.

1. Page 6, line 149–151. The sentences are misleading. It is surprise to see that annual evaporation is 6 times the annual precipitation. If it is true, there is no lake in the region. The region should be desert. Please check if the annual evaporation 1400 ~1900mm is the total amount of the lake catchment.
2. Page 13, line 363. Changes in the precipitation of the lake region in the summer half-year totally follow the northward migration of the EASM rainbelt (Fig. 4). To some

[Printer-friendly version](#)

[Discussion paper](#)



extent, this sentence is misleading. It is true that Fig 4 could show the northward migration of summer precipitation. However, the figure does not really show the linkage between this northward migration and the precipitation in Hulun Lake region. I suggest adding a figure of summer precipitation in the Hulun Lake region, and then it will be easy to understand the precipitation increases in JJA, following the northward migration of the EASM rainbelt.

Interactive comment on Clim. Past Discuss., <https://doi.org/10.5194/cp-2018-66>, 2018.

CPD

Interactive
comment

Printer-friendly version

Discussion paper

