

# ***Interactive comment on “Late Glacial and Holocene changes in vegetation cover and climate in southern Siberia derived from a 15 kyr long pollen record from Lake Kotokel” by P. E. Tarasov et al.***

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Reply to Anonymous referee #1

We are grateful to Reviewer 1 for the positive evaluation of our submitted manuscript. All suggested changes are constructive and will be addressed in the revised version. Below we placed our reply to the questions raised by Reviewer. 1. page 130. 1 kyr = 1000 cal. yr. BP. This repetition was done intentionally. The Abstract is often provided independently from the article and thus the short information about the age definition

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should be present both in the abstract and in the main text. 2. page 132. Unfortunately, pollen concentration was not specially calculated in this study. However a fixed volume of sediment was taken for the pollen extraction. This provides general ideas on how rich in pollen are different levels. 3. pages 134-135. We are aware that the dating of the pollen zones from bottom to the top can be frequently seen. However, we do not completely agree with this practice, which make a difficulty to continue the pollen description further in depth/time without renumbering the whole profile. The downward numbering is rather common in geology, e.g. all MIS zones are numbered in this way. 4. page 140. YD stadial is of course correct. 5. comments 5 to 8 concerning literature will be taken into account. On behalf of all co-authors Pavel Tarasov

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Interactive comment on Clim. Past Discuss., 5, 127, 2009.

## CPD

5, S22–S23, 2009

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