I would like to thank the anonymous reviewer, the suggestions are very pertinent and were implemented into the corrections improving the quality of the paper.

In “Conclusions” authors write: “The calculated ATD apparent thermal diffusivity sug- gests strong influence of water content and SNOWPACK to the soil thermal regime. In fact, the water content influence is discussed in the paper, but the influence of SNOWPACK – is not discussed. There is no information on existence and parameters of snowpack in the site (periods, thickness, seasonal variability). It looks as a small omission, because snowpack may play a role as in thermal regime at the site surface and in regulating of water content in the site.

The reviewer’s remark is completely pertinent, although we understand the importance of the snowpack to the soil’s thermal regime, we do not have this information, this monitoring system is the oldest one in our network and at that time the snow cover sensor was not available. The mention of snowpack was excluded.

Page 11, line 08

Please substitute,

The calculated ATD apparent thermal diffusivity suggests strong influence of water content and snowpack to the soil thermal regime.

For

The calculated ATD apparent thermal diffusivity suggests strong influence of water content to the soil thermal regime.