Dear Editor

Our manuscript acp-2013-860 entitled "Lidar-observed enhancement of aerosols in UTLS over the Tibetan Plateau during the Asian summer monsoon" has been revised according to the anonymous referee’s comments.

We appreciated reviewer’s suggestions and endeavor. In this version, we accepted the reviewer’s suggestions about the enhancement of aerosols in UTLS as a consequence of Nabro volcano eruption. Two new figures and more statements about the distribution properties and variation characteristics of the aerosol layer were added to the manuscript to support the conclusion. The effect of deep convection on the elevated aerosol layer was denied due to deficiency in water vapor in UTLS.

Best wishes.

Qianshan He

**Referee report 2**

Most of comments and suggestions risen in the first round of review have been answered, but some of the most important issues have not been resolved. For example, there is still lack of clear evidence to show the role played by deep convection on the elevated aerosol layer measured in this study. The authors accepted that the aerosol layer is possibly a consequence of Nabro volcano eruption, but the major part of the manuscript is still talking about the possible effect of vertical transportation, therefore, the revised manuscript turns out to be quite biased. I think the main parts of the manuscript need to be rewritten.