

## ***Interactive comment on “Crustal heat flow measurements in western Anatolia from borehole equilibrium temperatures” by K. Erkan***

**K. Erkan**

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Dear Prof. Juhlin;

I appreciate the constructive comments from the reviewers about the earlier version of the paper. I prepared a revised MS based on the recommendations from the reviewers and the Editor. The revised MS includes the following major changes:

1. Explicit statements in the title, Discussion and Conclusion that data come from shallow boreholes, and the results are preliminary.
2. A new approach for data quality classification, by modifying the previous classification technique of Blackwell, and making it more suitable for numerical error analysis.

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3. Addition of propagated numerical error values to the final heat flow calculations.
4. New discussions on the tectonic and geothermal significance of the region, and evaluation of the results in terms of plate tectonic activity in the region.
5. A detailed comparison with the previously published heat flow studies, and its tectonic implications.

My responses to the individual reviewers' comments on a point-by-point basis are provided in a separate document.

Sincerely,

K. Erkan

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Interactive comment on Solid Earth Discuss., 6, 403, 2014.

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