

## ***Interactive comment on “Geosystems and Earthquakes” by Angelo De Santis et al.***

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First of all, we really thank Dr. Freund for the very positive comments about our paper. He recognizes our efforts to combine a wide range of observables for a deep investigation of the pre-earthquake conditions. He also clearly understands the difficulty to proceed along this path (see the prejudiced view by the other referee).

Second, we appreciate the clear explanation for the apparent paradox related whether the IR effects are with thermal effects.

To insert Dr. Freund clarification in our revised manuscript, we added the following statement in pag.25:

“According to Freund (2018), this is only an apparent paradox because any stimulated IR emission from vibrationally very “hot” systems is not a “clean” process. Eventually,

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