

Interactive comment on “Geosphere Coupling and Hydrothermal Anomalies before the 2009 Mw 6.3 L’Aquila Earthquake in Italy” by L. X. Wu et al.

Anonymous Referee #1

Received and published: 14 April 2016

1. Interpret “LCA” and “b-value” in abstract. Do not use abbreviation “EQ” both in abstract and in main body. 2. Line 98 – Term “coversphere” looks very new, I prefer old “Earth’s surface”. “Entities must not be multiplied beyond necessity”. From the other hand may be authors will give the definition of the term “coversphere”. 3. Line 132 – It seems, air temperature and aerosol do not belong to hydrothermal parameters. Here and further authors implicate hydrogeological term “hydrothermal” with meteorological parameters on the Earth’s surface related with water content and temperature. May be it is acceptable for meteorological audience, not for the NHESS. 4. Line 152 – ERA-Interim – describe please. 5. Line 154 - 512° etc. ??? 6. Line 177 – “alternative anomaly” - probably “probable”. 7. Line 194 – formula looks bad. 8. Fig. 2.1 – do not use such abbreviation in axis. 9. Fig. 2.2-2.6 - do not use abbreviation such as STL in figure description. 10. I propose to reduce speculation about CO₂, CH₄, Rn

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emission –Chapter 4.1 and further. Or, please, show some gas data and relation with meteorological parameters. 11. I also propose to reduce some figures in range 3.1 - 3.5. 12. Thermal anomalies and last figure 4.1 looks weak. May be author will use this publication, for example, N. Pergola, C. Aliano, I. Coviello, C. Filizzola, N. Genzano, T. Lacava, M. Lisi, G. Mazzeo, and V. Tramutoli. Using RST approach and EOS-MODIS radiances for monitoring seismically active regions: a study on the 6 April 2009 Abruzzo earthquake Nat. Hazards Earth Syst. Sci., 10, 239-249, doi:10.5194/nhess-10-239-2010, 2010

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., doi:10.5194/nhess-2015-346, 2016.

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