

## ***Interactive comment on “Brief Communication: Correlation of global earthquake rates with temperature and sunspot cycle” by R. Rajesh and R. K. Tiwari***

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1. Increasing Global temperature with the increasing number of earthquake: This statement is not reliable due to different factors causing them. The increasing of Global temperature could be due to global warming effect. the increasing number of earthquake could be due to the increasing number of earthquake detector
2. The analysis of earthquake can be analyze in several categories based on: -Different type of earthquakes; slip/normal/thrust type -different region with respect to tectonic plated -different depths; this due to to the fact that external factors will most probably

C882

affecting shallow depth earthquakes -different time; day and night time; this due to the possible effect on different local temperature and solar activities

3. The negative correlation (-0.4) is quite low to justify the solar cycle has inverse relationship with earthquakes. Previous researchers have shown better numerical correlation.
4. Justification on possible relationship between solar cycle and earthquake is quite interesting, however it needs clarification on what physical mechanisms that connects between those two extraterrestrial and terrestrial parameters.

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C883