Geophysical Research Abstracts
Vol. 16, EGU2014-13901, 2014
EGU General Assembly 2014

Applications of the predictability of the Coherent Noise Model to aftershock sequences

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A study [1] of the coherent noise model [2-4] in natural time [5-7] has shown that it exhibits predictability. Interestingly, one of the predictors suggested [1] for the coherent noise model can be generalized and applied to the case of (real) aftershock sequences. The results obtained [8] so far are beyond chance. Here, we apply this approach to several aftershock sequences of strong earthquakes with magnitudes $M_w \geq 6.9$ in Indonesia, California and Greece, including the $M_w 9.2$ earthquake that occurred on 26 December 2004 in Sumatra.

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