

Seismic quiescence and natural time analysis Seismic quiescence and natural time analysis

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A critical point of seismicity may be evaluated by means of the natural time analysis (Varotsos et al., Springer, 2011). In the concept of natural time, the time proceeds when the event occurs. The time in some of phenomena proceeds consequently with obeying their internal time. In our interpretation of natural time analysis, "weighted time" plays a key role to find the critical point. The previous study of seismicity in the natural time analysis does not consider the spatial parameters in the weighted factor. When we consider the spatial parameters, we obtain the result that shows seismic quiescence.

Keywords: Seismicity, Quiescence, Natural time