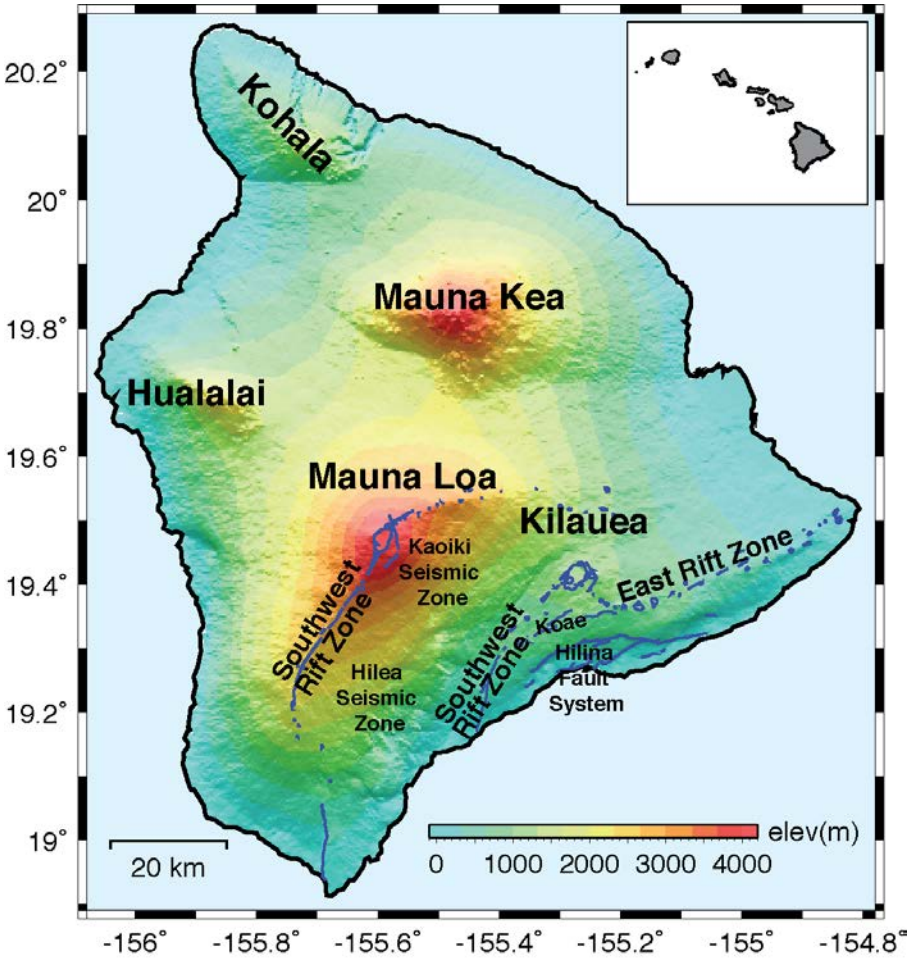
Time Dependence of Seismic Parameters in Hawaii

Seismic investigations have considerable potential for addressing key issues regarding the evolution of volcanic and tectonic activity in Hawaii. Specifically, what is the relationship between crustal stress changes and past and future seismic and volcanic events? To what extent are stress changes explained by known events and how predictive are they of future events? In this project, we will perform detailed investigation and analyses of time dependence of seismic parameters in Hawaii based on 33 years of seismic monitoring by the Hawaiian Volcano Observatory.



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