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Study of two seismic series in Moron de la Frontera (Seville, SW of Spain) in 2007

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During the past year 2007 two seismic sequences occurred in the proximity of Moron de la Frontera town (Seville, SW of Spain), a region where several important local and regional earthquakes have historically occurred. The first sequence, with more than 150 earthquakes ($3.5 > m > 1.0$), began early in January, and later, from June to September 2007, a new series of about 300 earthquakes ($3.5 > m > 1.3$) took place in the same location. A preliminary spatial-temporary characterization of these seismic sequences has been performed as well as a cross-correlation analysis between pairs of events in order to look for clusters of similar events which are supposed to belong to a same fracture.