



REVISITING SOME HISTORICAL EARTHQUAKES IN THE NE AEGEAN REGION

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The Saros Trough is the NE segment of the North Aegean Through that extends along the southern margin of the Eurasian Plate (Lyberis, 1984). This tectonic boundary is formed by the off-shore extension of the branches of the North Anatolian Fault Zone in the Aegean Sea. A number of historical earthquakes have been reported in this region, some of which had produced considerable damage (Ambraseys and Finkel, 1995; Ambraseys, 2009; Stucchi et al., 2012, Kouskouna and Sakkas, 2013).

In the present study, a set of 5 major and 16 minor historical earthquakes in Gökçeada-Imbros, Limnos, Bozcaada, Çanakkale, and Truva are revisited, in terms of reinterpretation of the information available from recent seismological studies and some historical documents from Greece and Turkey. Hence, a number of localities are identified and EMS98 intensities are assigned, leading to improved estimation of their epicenters and magnitudes. The seismotectonic characteristics of the region, as well as the observed intense seismic activity in the 20th century, allow for possible correlations of the historical earthquakes with recent ones in the region, thus leading to better estimates of recurrence times.

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