



Deformation studies using GPS data for South Peloponnisos

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A network of approximately forty seven (47) stations in the south Peloponnisos was established in 1998 in order to monitor the tectonic behaviour of the area, which lies in relative proximity with the south part of the Hellenic arc.

Measurements were carried out in 1998, 1999 and 2000. In this study all of the data were reprocessed using BERNSE v5.0 and coordinate results were tied to ITRF2005, in order to estimate the deformation pattern of the area.

The aim of this study is to combine the above mentioned coordinate results with data processed during previous campaigns (prior to 1998) in order to produce a dense, integrated velocity field for the region.