## ОМАР и др.

## EARTHQUAKE MECHANISMS AND STRESS-STATE IN THE EARTH CRUST IN SYRIA

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Seismic records from a telemetric network of Syrian Seismological Survey were processed. The authors compiled an earthquake bulletin, which includes data on 50 earthquakes recorded at least by 8 stations over the period 03.01.2009 - 30.06.2011. The bulletin was used to determine earthquake source mechanisms and stress-state in Syria. The goal was to evaluate the modern stress-state in the earth crust in Syria. The remarkable result is that the type of mechanism dominating for small earthquakes (normal faulting) is different from that one, which occurs in larger events (strike-slip). At the same time smaller earthquakes demonstrate more diversity in source mechanisms. The later also reflects a great variety of the stress-state in different crust domains in the region.

Keywords: earthquakes, source mechanisms, Syria.