



Local Network of Antalya (TURKEY)

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Antalya (South Turkey) is one of the famous cities with high population and tourism activity in Turkey. Also, this region has high seismic activity related with on land and off shore fault systems. In this area, African oceanic crust subducts beneath Anatolian plate along the Hellenic and Cyprus trenches. Along these fault systems 13 destructive earthquakes occurred between 1900 and 2000 with magnitude of 5.5 and greater. Most of them occurred on the Pliny and Strabo faults with left lateral strike slip. Purposes of the project are observing of the seismic activity and determine the seismic risk for this city. For these purposes, we deployed 10 strong motion broadband recorders (Guralp CMG-5TD) and 2 broad band seismic recorders (Guralp CMG-3TD) in March, 2008 and all of these instruments are part of the national seismic network which belongs to the Ministry of the Public Works and Settlement, General Directorate of Disaster Affairs, Earthquake Research Department. Instruments are connected to the main centre which is located in Ankara through the ethernet or Satellite and local government and municipality will be prompted when any seismic activity occurs in the study area. So far, these observations will be useful for the selection of the new urban areas and settlement in this region.