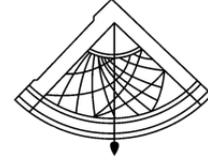




Bogazici University



Kandilli Observatory and Earthquake Research Institute
Department of Earthquake Engineering

24 Sept. 2019 (11:00)
Istanbul-Off Silivri Earthquake

Istanbul Earthquake Rapid Response System

**Preliminary Estimations for the Strong Ground Motion
Parameters**

Magnitude : $M_L=4.7$
Epicenter : 40.8785 – 28.2090
Depth : 9.8 km

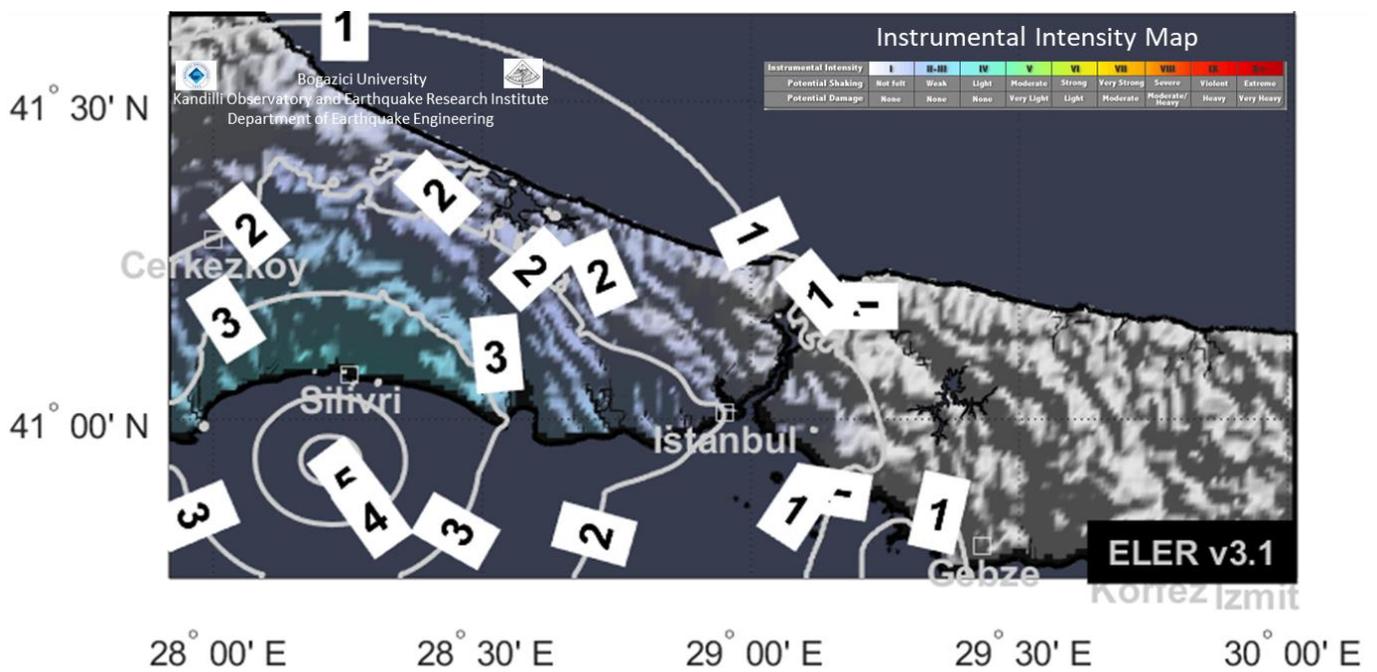


Figure 1. Instrumental Intensity Distribution

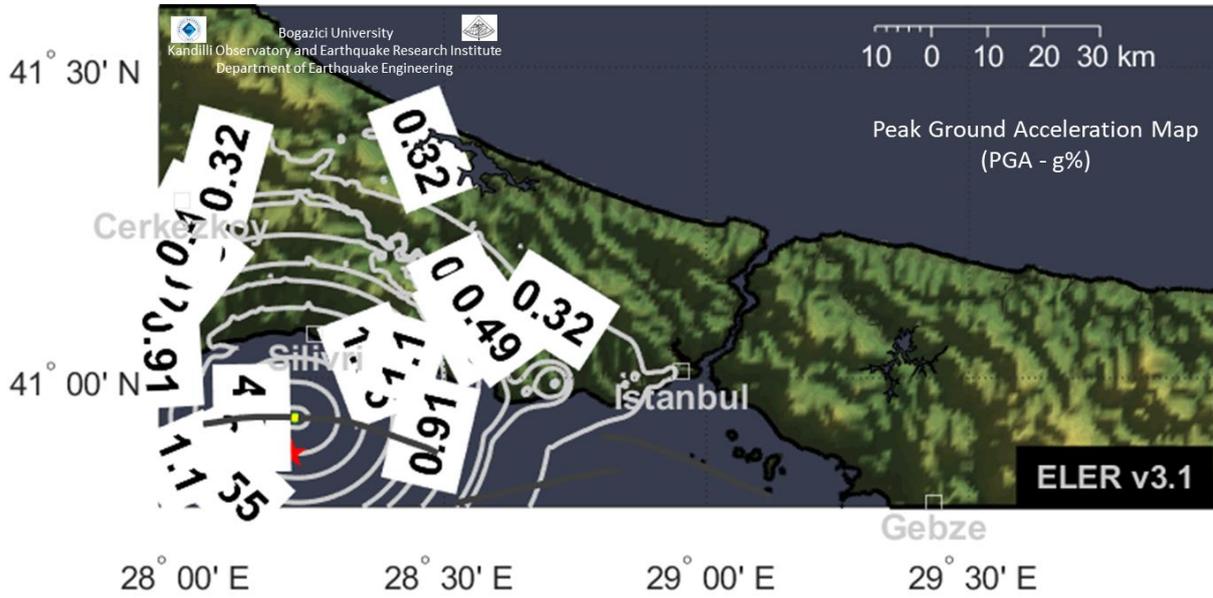


Figure 2. Peak Ground Acceleration (PGA – g%)

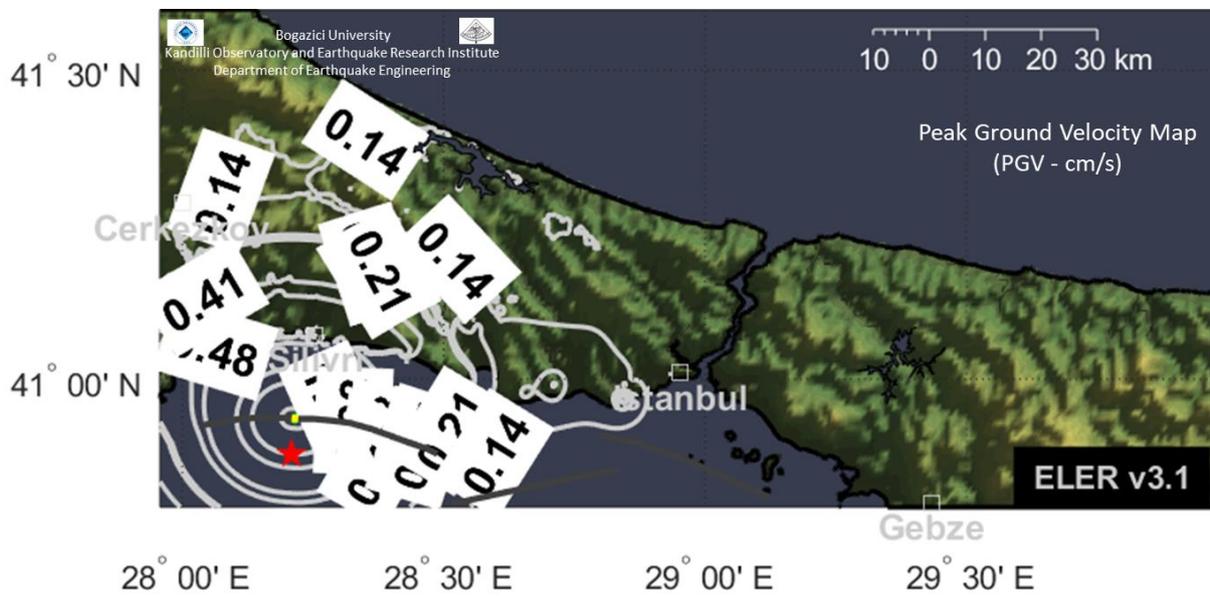


Figure 3. Peak Ground Velocity (PGV – cm/s)

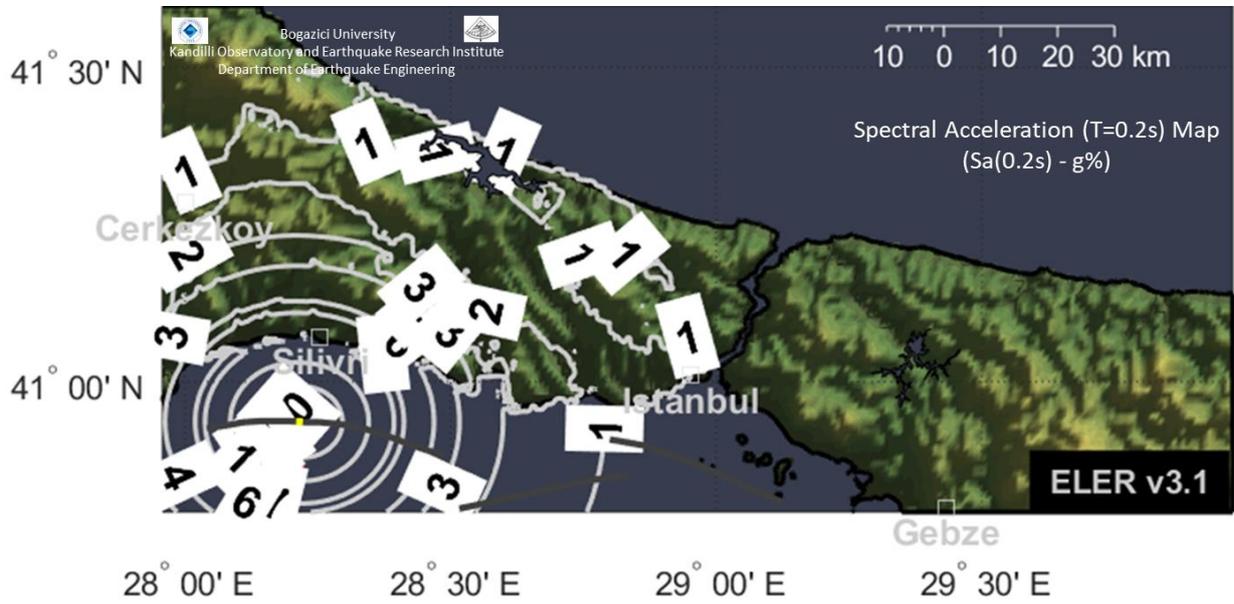


Figure 4. Spectral Acceleration @T=0.2 s ($Sa(0.2) - g\%$)

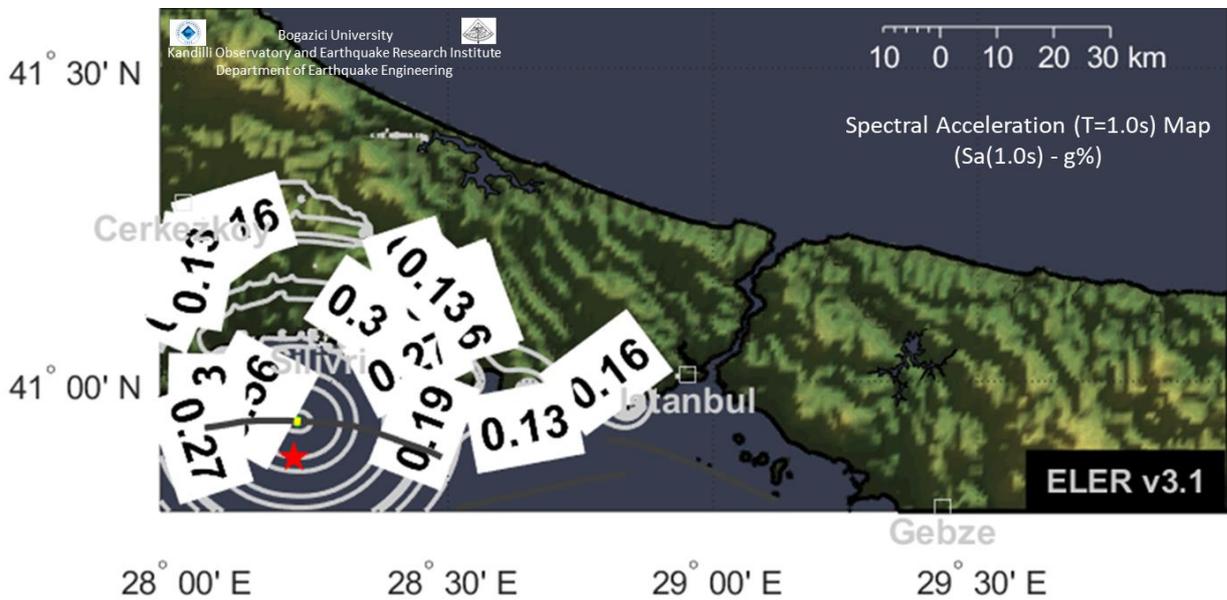


Figure 5. Spectral Acceleration @T=1.0 s ($Sa(1.0) - g\%$)