



Relationship Between Earthquake and Ionospheric TEC

Cemile Akpaca (1) and Kutsal Bozkurt (2)

(1) Yıldız Technical University, Institute of Science and Technology, Physics, Turkey (cemile_ak_paca@hotmail.com), (2)
Yıldız Technical University, Faculty of Science&Arts, Physics Department, Turkey (kutsalb@yildiz.edu.tr)

Research made in recent years have showed that changes in eletromagnetic field of the earthquakes on the Earth's surface, cause some changes in the electron density and TEC(Total Electron Content) of the Ionosphere. A way to determine the changes of the Ionosphere layer to detect the GPS (Global Positioning System) signals . In this study, electron density of Ionosphere and TEC change value in eartquakes were detected by means of package software and the relationship between earthquake and those changes was researched.