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Interactive comment on "Review of variations in M_w < 7 earthquake motions on position and tec (M_w = 6.5 aegean sea earthquake sample)" by O. Yildirim et al.

Anonymous Referee #3

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To investigate the possible ionospheric precursories, we need major earthquakes and sufficient observation infrastructure to capture those event. Unfortunately, cases where both are available are rare. For moderate-size earthquakes, the monitoring real-time geodetic network should also be close enough to the area. Many large earthquakes in Turkey were missed due to the lack of a real-time GNSS network. Aside from the significance of the results presented in the text, The paper shows the one of the earliest examples of ionospheric monitoring via GNSS network in Turkey for Aegean earthquake Mw6.5. In this respect, the motivation is sound. However, there are several points that should be improved. First of all, the English of the paper is not satisfactory. Please, revise the English of the paper. I attach the Abstract that I revised for English

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to give an idea of required English editing. Second point is the differences between GIM and local TEC values. The differences between GIM and local TEC values are larger than the formal uncertainty of the TEC estimates. The authors could give some explanation about such discrepancy. Such as the number and distribution of IGS sites in Turkey which are used in the computation of GIM model etc.

Minor points:

Introduction: Add some references for the tectonic setting of the region of interest 5929: "four numbers of CORS-TR stations" should be "four CORS-TR stations" 5929: "positional resolution" should be "spatial resolution", "timewise resolution" should be "temporal resolution" 5929: Tylor should be "Taylor" 5930 and elsewere: Don't use continuous tense for understand. "it is being understood" should "it is understood" 5925: "A great many earthquakes occurred in the past in Turkey"

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., 3, 5923, 2015.

Turkey is ecountry located in the Middle Latitude zone where and in which tectonic activity is intensive. Lastity, an earthquake of magnitude 6.5 Mev occurred at Agean Sea offshore on dete-24 May 2014 at 12.5 UTC which and lasted aboutsportmash y 40.5. The stade arthquake Saws also felt also in Greece, Romania and Bulgaria in addition to Western Turkey. In the recent years, seimic representations anomaly detection studies due to search year when the recent years generally and the properties of the properties of

Fig. 1.

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