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Nat. Hazards Earth Syst. Sci., 10, 1751-1757, 2010
www.nat-hazards-earth-syst-sci.net/10/1751/2010/
doi:10.5194/nhess-10-1751-2010
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Ionospheric anomaly due to seismic activities – F Evidence from D-layer preparation and disappe times

S. K. Chakrabarti[1,2], S. Sasmal[2], and S. Chakrabarti[2,3]
[1]S. N. Bose National Centre for Basic Sciences, JD Block, Salt Lake, Kolk 700098, India
[2]Indian Centre for Space Physics, 43 Chalantika, Garia Station Road, Kol 700084, India
[3]Maharaja Manindra Chandra College, 20, Ramkanta Bose Street, Kolkat India

Abstract. We show evidences for anomalous ionospheric behaviou signal of Indian navy VLF transmitting station named VTX due to earthquakes in the South Asian region. We concentrate on the var the D-layer preparation time (DLPT) and D-layer disappearance tim in a period of sixteen months and study their average behaviors. \ identify those days in which DLPT and DLDT exhibit significant devi Separately, we compute the energy release by earthquakes during period and show that "anomalous VLF" days are associated with anomalous energy release. We find that the anomaly and the devi DLPT and DLDTs from the mean are linearly correlated. We discuss predictability in this approach and compare with the terminator shi approach using the same set of data.

Full Article (PDF, 2217 KB)

Citation: Chakrabarti, S. K., Sasmal, S., and Chakrabarti, S.: Ionos anomaly due to seismic activities – Part 2: Evidence from D-layer preparation and disappearance times, Nat. Hazards Earth Syst. Sci 1751-1757, doi:10.5194/nhess-10-1751-2010, 2010. Bibtex EndNote Reference Manager XML