


A Catalog of Felt Intensity Data for 570 Earthquakes in India from 1636 to 2009

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Abstract Eight thousand three hundred thirty-nine intensity observations are used to create a map that emphasizes the features of many previously published earthquake hazard maps for the Indian plate, but which more faithfully depicts regional amplification and attenuation. We also estimate the probable return time for future damaging shaking in five of India's largest cities.

 Annotations for select earthquakes with tables listing source locations and number of reports.

Introduction

Catalogs of historical Indian earthquakes occurring in the past 450 years contain errors in dandan

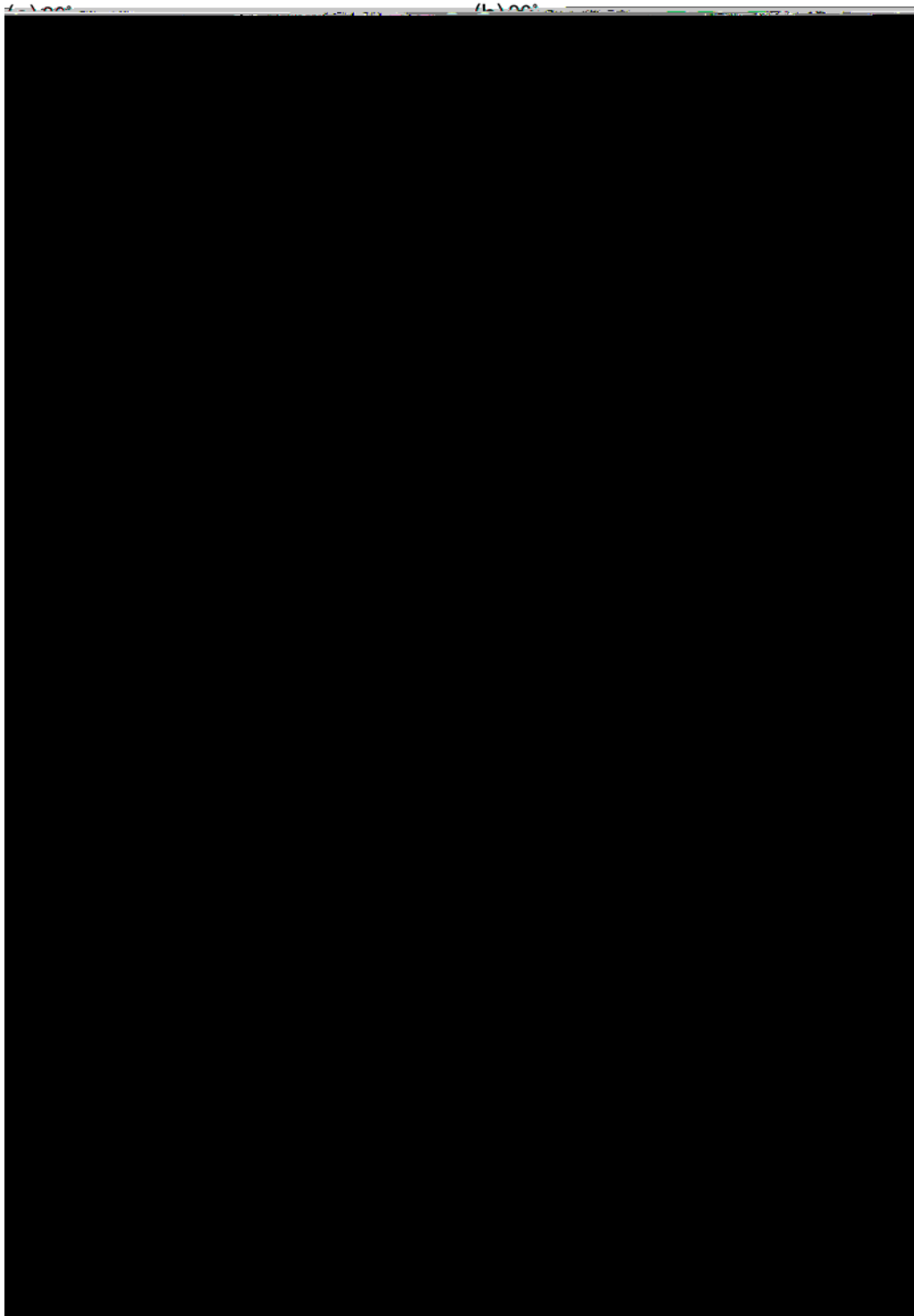


Figure 3. (a) Maximum shaking intensity observed during the period 1636–2009. (b) Interpolated maximum shaking intensity observed during the period 1636–

probably reliable estimates of future shaking. That is, the

alternative methods to estimate potential future shaking will be needed to supplement future hazard studies. These may

