３－２　地質学的歪みと測地学的歪みの集中域と地震との関係

Relationships between earthquakes and high strain areas based on geologic structure and geodetic data

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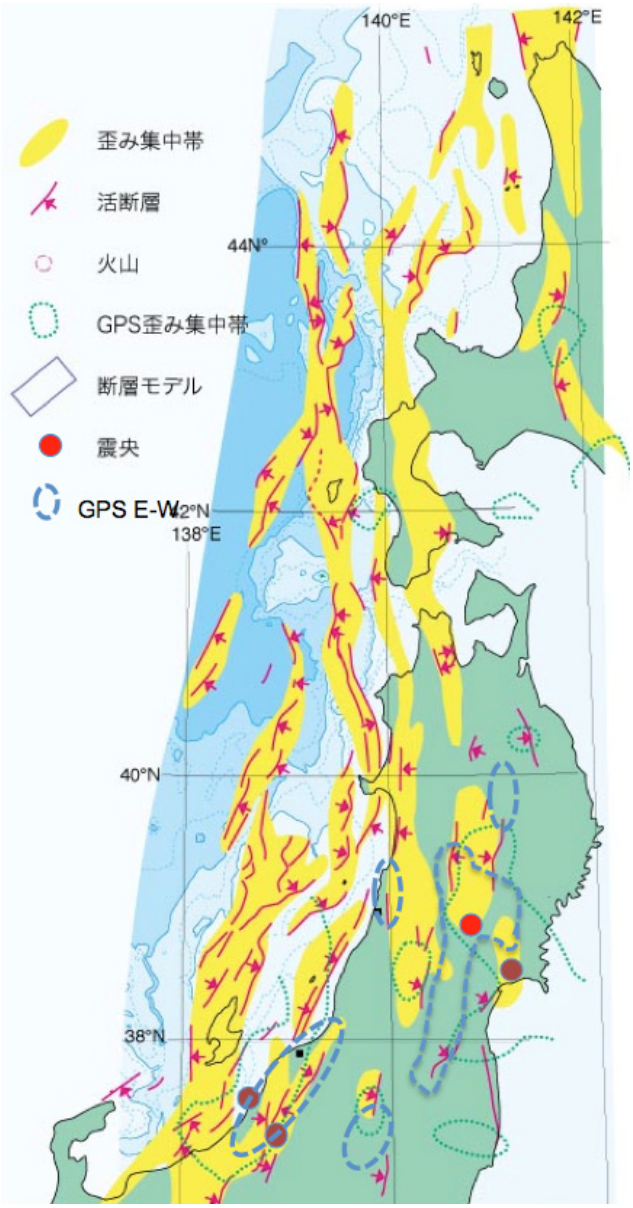
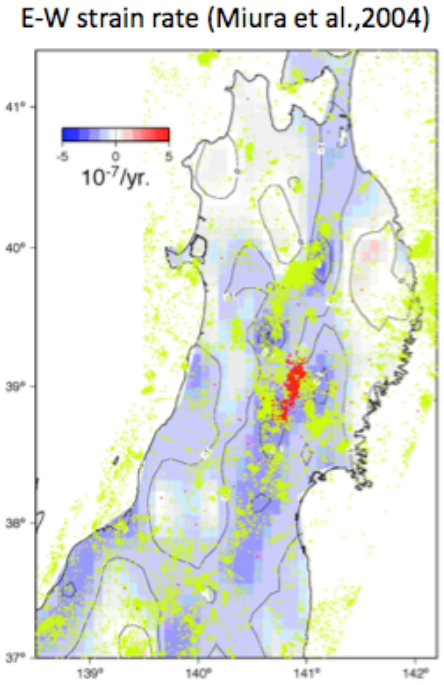


2003年の宮城県北部地震，2004年新潟県中越地震，2007年新潟県中越沖地震，2008年岩手・宮城内陸地震は，いずれも地質学的なひずみの集中域と測地学的なひずみの集中域が重なっているところで発生.

The 2003 Miyagiken-Hokubu, 2004 Chuetsu, 2007 Chuetsu-oki, and 2008 Iwate-Miyagi earthquakes occurred in areas where two types of high strain areas based on geologic structure and geodetic data are superposed.

（岡村行信）



東大出版会（2002）「日本海東縁の活断層と地震テクトニクス」を簡略化.

Simplified from the map “Active Faults and Seismotectonics in the Eastern Margin of Japan Sea” by University of Tokyo Press (2002).

Yellow zones indicate high strain area based on geologic structure, Blue broken lines and green dotted lines indicate high strain area based on GPS measurement. Red circles are epicenters of the four earthquakes