

Research on seismicity in Japan utilizing ultra-microearthquake data in the JMA unified earthquake catalog

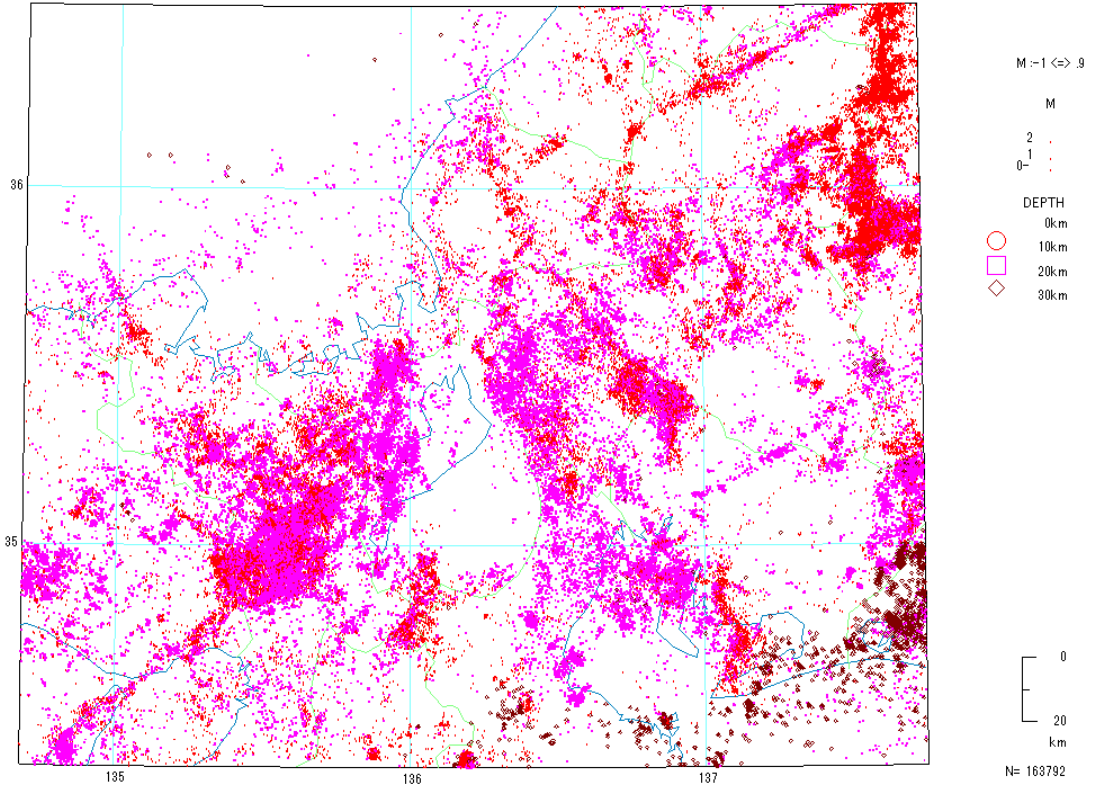
*Kenshiro Tsumura¹

1. Association for Development of Earthquake Prediction

The JMA unified earthquake catalog contained more than 1 million ultra-microearthquake hypocenter data for the past 20 years. But the data has not been used mainly due to spatial and temporal incompleteness. In this study, usefulness of the data for the research on seismicity in Japan has been proved, if we utilize them adequately. The time-circle diagram (TC-map) method can be used for analysis of such large amount of hypocenter data.

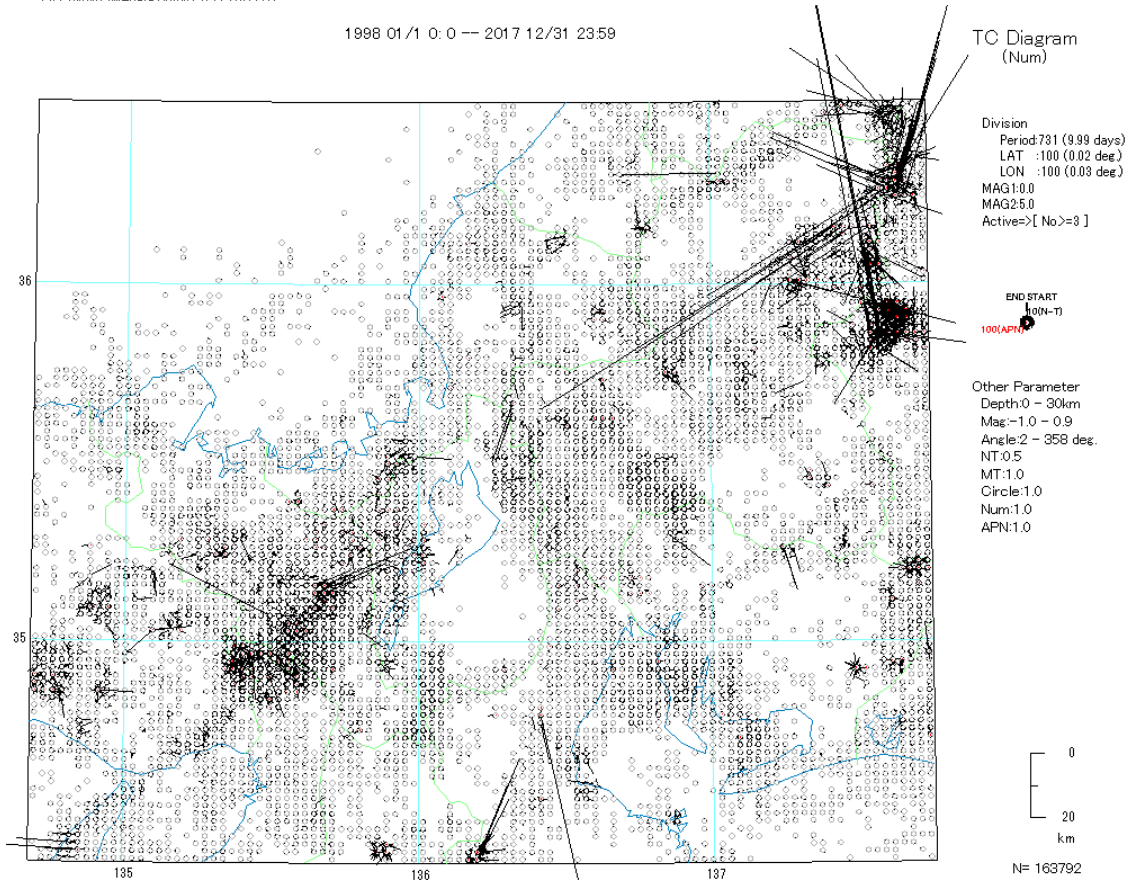
Keywords: seismicity, ultra-microearthquake, time-circle diagram

1998 01/1 0: 0 -- 2017 12/31 23:59



FILE:Evolution_IMAdata(Unify/ExclLF)2017.txt

1998 01/1 0: 0 -- 2017 12/31 23:59



FILE:mvhypJMAdata(Unify/ExclLF)2017.txt

// SEIS-PC //

図1. 中部地方・近畿地方の極微小地震の震央分布図と時間円表示図 (TC図)

TC図の針は、10日間ごとの地震回数。時計周りに20年間で一周。

