

Seismicity Patterns along the Circumpacific earthquake zone

Teiko Uchiya[1]

[1] no post

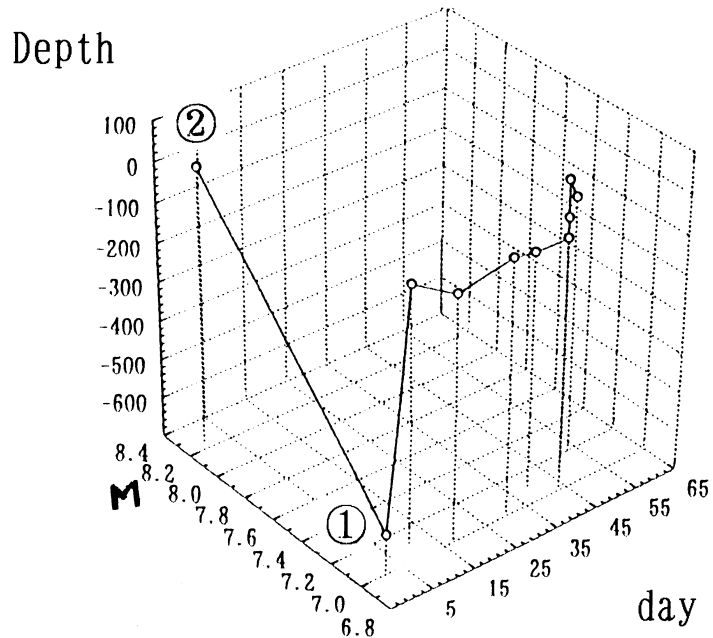
On the Circumpacific earthquake zone, following features are commonly observed:

- (1) Preceding Activity and Quiescence, Forshocks, Aftershocks Induced Seismic Activity are found on great earthquakes.
- (2) An important creation observed by Mogi(1982) for the occurrence of earthquakes in the Alaska and Japan. these creation found on other great earthquakes in west Circumpacific earthquake zone.
- (3) The same creation observed by Mogi(1982) for the occurrence of earthquakes in Tonga-Kermadec, found before great earthquakes.

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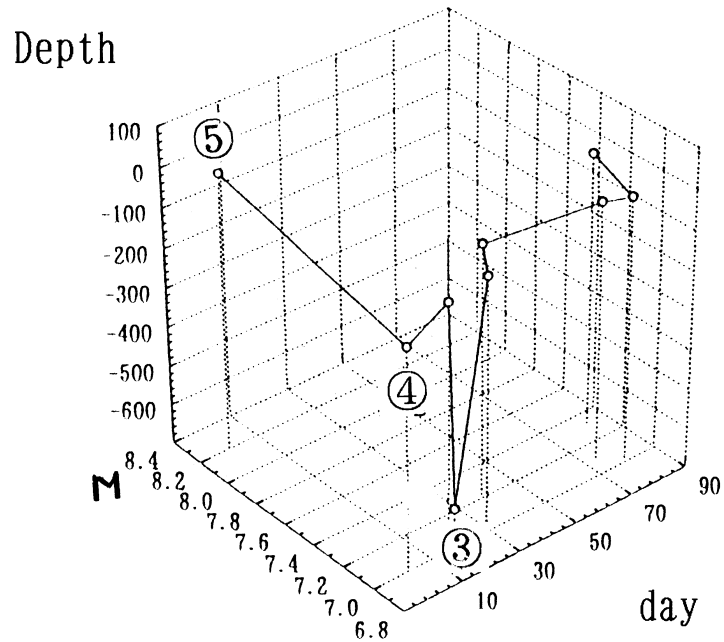
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- (2) An important creation observed by Mogi(1982) for the occurrence of earthquakes in the Alaska and Japan. these creation found on other great earthquakes in west Circumpacific earthquake zone.
Example 1: 1923.2/Kamchatka.(M8.3) 1923.9/Kanto(M8.2) 1924/Philippine(M8.3) etc.
Example 2: 1922/Central Chile(8.3)-1923.9/Kanto(M8.2) 1932/Mexico(M8.1)-1933/Sanriku(M8.5): 1943/Chile(M7.9)-1944/Tonankai(M8.0):
1946/Dominica(M8.1)-1946/Nankaido(8.2) 1966/Peru(M7.5) 1968/Tokachioki(M7.9). etc.
- (3) The same creation observed by Mogi(1982) for the occurrence of earthquakes in Tonga-Kermadec, found before great earthquakes.
Example: 1945.11.26.d-600KM.Tonga-1945.11.27.M8.25 Pakistan: 1946.12.17.d-s.Tonga-1946.12.20.M8.1 Nankaidouki: 1948.01.22.d-140KM.Tonga-1948.01.24.M8.2 Philippine: 1949.08.06.d70-Tonga-1949.08.22.M8.1 Queen Charlotte Is.:
etc.

Fig 1 Time Space Distribution
 (1945/08/29 - 1945/11/27)



- ① 1945/11/26 M 7.0 D:600KM West of Tonga Is.
 ② 1945/11/27 M 8.25 D:S West Pakistan

Fig 2 Time Space Distribution
 (1947/11/01 - 1948/01/24)



- ③ 1948/01/04 M 7.0 D:600KM West of Tonga Is.
 ④ 1948/01/22 M 7.0 D:140KM West of Tonga Is.
 ⑤ 1948/01/24 M 8.2 D:S Panay