

Forecast of relation statistics of deep earthquake and Ta earthquake ..shoal.. occurrence

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<http://www12.ocn.ne.jp/~time.f.h/>

I noticed that a deep-focus earthquake occurred frequently just before the ten wins offing on Miyagi offing / September 26 on process July 26, 2003.

I began investigation about connection with a deep-focus earthquake (it has of 60km deep over note / here) and a shallow-focus earthquake.

An earthquake occurs frequently, and will not there be the plate that a consideration deep-focus earthquake occurs?

Example)

There is little North American Plate / Pacific plate Philippine Sea plate deep-focus earthquake There is much it Earthquake which there is it, and do not have Eurasia plate- deep-focus earthquake with much There is little it Earthquake

A method

Will not it be possible for local specification to be able to shake to be good by taking the statistics that what kind of earthquake gets up just after similar data when it occurs a deep-focus earthquake?

Cannot you predict that a big earthquake happens by frequent occurrence of a deep-focus earthquake?

I obtained data of the past several years than Natl. Res. Inst. for Earth Sci. and Disaster Prevention Hi-net Meteorological Agency unification data whether I could inspect presence of relevance based on real data and started inspection work.

In addition, testing it is approximation data from the past data for the cause by data displayed in Hi-net after act deep-focus earthquake outbreak on Internet a prediction(Latitude longitude +-less than 0.5, less than +-50km deep)

When it compares outbreak probability in a time of peace and outbreak probability of deep-focus earthquake I do a plot, and what kind of place can shake in a map statistically I extract 20-40 entirely, and where an earthquake occurs in four days just after that, and outbreak frequency of deep-focus earthquake after is high, it is a period a deep-focus earthquake is a case in a frequent occurrence tendency, and to predict an earthquake prediction: Four days place: It is almost under oval 100km deep scale of 300km *100km: I limited 3 elements of M4.0 in M4.7 - West Japan in East Japan and showed it on Internet and got a wide opinion under control and was improved.

I work on inspection for a prediction of (more than almost, M4.7) until an end of 2,007/1 in number of the predictions and 2,005/10 inspection result the middle or more.

Number of all predictions 233 cases (21 no-count of house deep-focus earthquake Having not yet occurred student), 211 effective 3 elements pertinence verygood 50 cases 23.7% good 43 to almost fall under are 20.4%(When one of the remainder delicately comes off because of 2 elements pertinence)

When it almost adds up pertinence with 3 elements pertinence, it is prediction pertinence of 93 44.1%

38 pertinence It is precious is 18.0% partly(When one element falls, and 2 of the remainder delicately come off)

80 wide swing that there is no pertinence in is 37.9%

As for more than M5.5 until an end of 2,007/1, 114 times occurred in the Japanese sea near the shore in 2,005/10 the middle or more.

Of these, what predicted missed 87% with 15 times; is calculated.

However, there was considerably outbreak in the range that I did not usually predict, and there were 100km deep-focus earthquake older than it and outbreak 92 times in the area that I did not usually predict.

15 times would predict that they deducted this among 22 times, and more than M5.5 became a losing sight of rate of 32%.

It occurs, and five times of those are pertinence eight times when I make it M6.0 when I deduct deep-focus earthquake and the area that I do not usually predict.

More than M6.0 became a losing sight of rate of 37.5%.

11/15 M7.9 of the Chishima Islands and 9/28 M6.0 exclude you from a calculation for the area that they do not usually predict.