

Latest rupture time of the Nagao Fault in Kagawa Prefecture - main results of the excavation survey at Miyashita in Miki Town

Yuichi Sugiyama[1], Akira Sangawa[2], Eiji Tamura[3], Koji Tsuyuguchi[4], Satoshi Fujikawa[3], Shuichi Hasegawa[5]

[1] AFRC,AIST, [2] G.S.J.Osaka, [3] Yonden Consultants Co., Inc., [4] Shikoku Research Institute Inc., [5] Construction Eng., Kagawa Univ.

We have excavated two trenches on the Nagao Fault in Kagawa Prefecture, Shikoku Island, to clarify the last rupture time of the fault. Our trenching survey including ¹⁴C dating and pollen analysis has revealed that

the last rupture of the Nagao Fault occurred in or after the Tumulus Era ranging from the 4th century to the 6th century. The possibility that the last faulting occurred in or after the Heian Era (794 A.D.-1,192 A.D.) was also suggested. The time of the penultimate rupture is estimated to be between 32 ka and 37 ka on the basis of our survey results and data obtained by Kagawa Prefecture in the 1996 fiscal year.