

Superposed deformed structures within the Nagasaki metamorphic rocks-the Sangun and Sambagawa factors

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The Nagasaki metamorphic rocks, which are located in the Nishisonogi- and Nomo Peninsulas and the Amakusa-Shimoshima Island, were suffered from multiple deformation (D1-D7). In the D3 phase (during a prograde metamorphism), the Nagasaki metamorphic rocks in an influence of Sangun metamorphism were superposed on the deformational factors of the Sambagawa metamorphic belt. After the D4 phase (retrograde metamorphism), there was underwent some complex deformation. On the point of structural view, the superposition of the Sangun and Sambagawa metamorphic condition gives good explanations to a tectonics of the Nagasaki metamorphic rocks.