

雄大な風景の意味をひも解く

Panoramic Landscapes joined by Geological Events



ここからは富士山や愛鷹山、箱根山など、伊豆半島が本州と衝突したあとに噴火をはじめて火山が一望できます。丹那盆地や現在地(玄岳)は、これらの火山よりも少し古い「多賀火山」の一部分です。箱根火山や多賀火山のなだらかで日当たりの良い斜面では、「函南すいか」や「箱根西麓三島野菜」などの特産品が作られています。

眼下には、こうしたなだらかな斜面を断ち切るまっすぐな谷が見えます。この谷は「丹那断層(北伊豆断層帯)」と呼ばれる活断層による「横ずれ」でできたものです。この断層では700~1000年に1回程度の間隔で地震がくり返されてきました。1回の「ずれ」は数m程度ですが、くり返し起こった地震で、今では地形が南北に1km近く食い違っています。丹那盆地や田代盆地もこうした断層のはたらきで作られた盆地です。

天気の良い日には、伊豆半島と本州の衝突で隆起した南アルプスも遠くに見えます。

From this place, you can see volcanoes that began activity after the collision between Izu peninsula and Honshu. These are Fuji volcano, Ashitakayama volcano and Hakone volcanoes. The Tanna Fault and our present location (Kurotake) are parts of an slightly older volcano known as the "Taga Volcano". Among the popular agricultural products of this area are "the Kannami watermelon" and "the Hakone Mishima west foot vegetables" grown in the hill-slopes with abundant sunshine. Just below our present location, you can see a line stretching along the gentle slope. This line is the product of a fault slip of the Tanna Fault (a part of the Kita Izu Fault). This fault has typically registered a large earthquake once every 700-1000 years that caused land along it to slip and move. A dislocation of about 1km (length) can now be seen, as a result of seismic activities over centuries. And Tanna Basin and Tashiro Basin were also made by movement of this fault. On clear days you can see the Southern Japan Alps where mountains were uplifted due to the Izu-Honshu collision.

地震の記憶を伝える Memory of the earthquake



丹那断層の最新の活動は、1930年11月26日の北伊豆地震(マグニチュード7.3)です。この地震では、場所によっては、断層をはさんで2mをこえる地面の「ずれ」が生じました。丹那盆地の断層公園や、田代盆地の火雷神社には、この地震による「ずれ」の跡が残されています。The most recent large seismic activity was the Kita Izu Earthquake that took place on 26 November 1930. This quake registered a magnitude of 7.3 (Richter scale). The quake caused land movement along the fault at several locations, in some cases land 'slipped' more than 2 meters. You can clearly see the amount of land that slipped during this event at the Danso Koen (fault Park) in the Tanna Basin and at the Karaijinja Shrine in the Tashiro valley.

