

The Relationship between Geology and Natural Radiation

Yangmingshan National Park is mainly composed of Mt. Datun, which has the unique volcanic geologic structure. The distribution of fumaroles and hot springs are mainly located in the Chinshan Fault which from Beitou to Chinshan. The most active steam vents are those at Dayoukeng, Xiaoyoukeng, Macao, and Dahuangzui, all can be seen strong jet flow activity, needless to mention other famous hot springs in this area.

Some hot springs consist of a small amount of Radium and Radon, which are the radioactive elements. Therefore, the dose rate near hot spring outcrop will higher than the ground. This is also the reason for the higher dose rate of the sulfur deposited on the stone at Beitou Thermal Valley.

