

Ground-tilt observation and levelling on and around Iwate volcano (Part 2)

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The tilt observation has been carried out in four sites around Iwate volcano since September, 1998. Levelling survey in the northern foot of the volcano was also carried out five times by November, 1999. The tilt records is smoothly collected at present in February, 2000. Because this tilt record contains an artificial noise and the annual change, the change which relates to the volcanic activity is hard to be recognized. To eliminate this artificial noise, two newly designed tiltmeters were developed. One tiltmeter was installed at the same site, another unit is also done in the special place to grasp various characters. On the other hand, precise levelling survey detected significant movement; raising as much as about 2.5microrad in the WSW direction.