

Geodetic observations at Mt.Hokkaido-Komagatake and the phreatic eruption on Oct. 25, 1998.

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On 25 October, 1998, there was a small phreatic eruption at Mt. Hokkaido-Komagatake after the 2 years and 7 months dormancy since the 1996 eruption. ISV(Hokkaido University) made geodetical measurements after the recent eruption, which are levelling survey(Oct.29-Nov.2) at the SW mountain road, EDM(Nov.6) at the three of baselines around the summit great fissure and GPS(Nov.16-21) at 11 points included in the GPS network of Mt. Hokkaido-Komagatake. Levelling result indicates a trend of subsiding after the 1996 eruption and a little upwelling at benchmarks distant c.a.3.8km or less from the central crater. EDM results denote the expansion in contrast with general shrinking tendency. As the GPS data at the summit have not salvaged due to snow, no remarkable results of GPS are found.