

The eruptive history of Yakedake volcano during the past 2000 years, Northern Japan Alps.

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The eruptive history of the Yakedake volcano during the past 2000 years has been determined by tephrochronology as well as AMS radiocarbon dating. In the past 2000 years, one magmatic and 8 phreatic eruptions occurred at the Yakedake volcano. The frequency of eruptions is estimated as 4 times / ky. During the past 10,000 years, this volcano has been the most active one in the Norikura volcanic chain, central Japan. Based on calibrated year ranges as well as documentary records, we consider that Tu-5 Tephra was emplaced in AD 1584.