

Chronology and tephra-stratigraphy of major eruption events on Aug. 2000 in the Miyakejima 2000-2001 eruption

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Contrasting observation and eruption product is important to promote greater quantitative understanding volcanic eruption. We summarize chronology and tephra-stratigraphy of Aug10, Aug18 and Aug.29 eruption.

Aug.10 eruption, weak ash cloud surge several times flowed over the north and west-south flank at 7:00 to 8:55.

Aug.18 eruption, consist of four phase.

First, volcanic sand fell down at 17:02 to about 17:45. Second, accretionary lapilli fell down at about 17:45 to 18:10. Third, volcanic sand and lapilli fell down at about 18:00 to 19:20, and last, fine ash fell down at 19:20 to about 22:30.

Aug. 29 eruption, weak ash cloud surge several times flowed over all flank at 5:00 to about 6:50.