

Ending sequence of the Aso-4 eruption recorded in drilling cores

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Welded tuff of Aso-4 PFL, lithic breccia derived from PFL and/or collapse of the caldera wall, lake sediments were identified in the drilling core material from the Aso caldera, in ascending order. All these deposits can be the deposit of the ending phase of the Aso-4 eruption, because no serious erosion gap was identified among them. Possible ending sequence of the Aso-4 eruption is as follows: pyroclastic eruption which formed the welded tuff ; deposition of lithic breccias from PFLs and/or caldera wall collapse; eruption ceased; water level increase or subsidence progress to make a lake environment.