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Cover: Glowing vent and gas-and-ash plume near the summit of Kilauea volcano, Hawaii. Long-exposure photograph was taken on 1 May 2008, from the U.S. Geological Survey's Hawaiian Volcano Observatory. The vent is located at the base of the east wall of Halema'uma'u crater in Kilauea caldera. The Halema'uma'u vent formed during an explosion on 19 March 2008, and has been the site of several more explosions and numerous rock falls. The top of a lava column has been visible sporadically in the vent, which has enlarged mainly by collapse to its present diameter of about 150 meters. Halema'uma'u crater, which spans the full width of the image near the bottom, is nearly 1000 m in diameter. See "Pigeonholing pyroclasts: Insights from the 19 March 2008 explosive eruption of Kilauea volcano," by Houghton et al., p. 263–266.

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