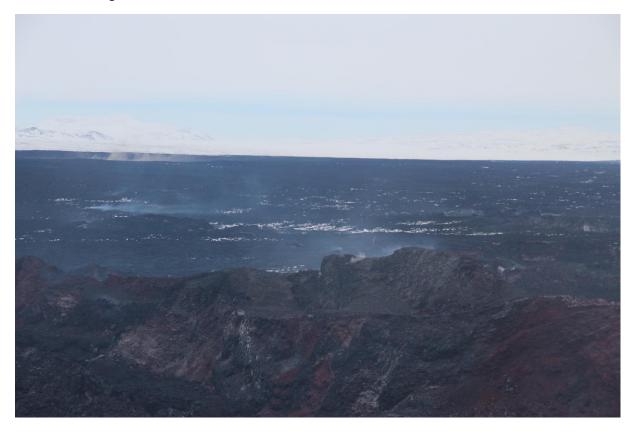
Field report - Holuhraun 4 March 2015

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General description of the eruption site

No signs of activity have been revealed. A diffuse bluish haze, at ground level, was visible across the lava field.

The crater rim has several cracks at the very edge. While standing close to the crater rim it was possible to hear rumbling due to movements of rocks/solidified lava inside the crater.





Gas measurements

Several measurements of gases have been done around and at the crater rim.

Walking across the lava field, CO and SO_2 have been measured with the personal sensors. CO reached values of 3 ppm, whereas SO_2 up to 2.5 ppm.



MultiGAS instrument has been used for measuring concentrations of SO₂, CO₂, H₂S and H₂. At the crater rim the instrument has been left measuring for about 30 min giving good measurements. Ratios of CO₂/SO₂, H₂O/SO₂ and H₂O/CO₂ are 16.76, 101.09 and 6.25, respectively. Comparing the CO₂/SO₂ ratio

with previous mesurements made during the eruption we see a clear increase which is consistent with a dying eruption. The maximum concentrations measured with the MultiGAS were 30 ppm for SO_2 (the instrument saturates at this value), 700 ppm for CO_2 and 5 ppm H₂S. At the same location the personal sensor was measuring values higher than 45 ppm (the sensor saturated).



