

Field report - Holuhraun 3 March 2015

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General description of the eruption site

The lava field is cooling down with release of heat. Vapour steam is more evident at the northern edge of the lava field. Few fumes have been visible at the crater, where no signs of activity have been revealed.

Gas measurements

Driving toward the western side of the crater a degassing vent releasing brownish gases was identified. The site is 10 min walking across the lava field and presents decoloration of rocks. Some gas measurements have been done with two different type of sensors (standard personal and Alphasens ones).

Peak concentration of 7 ppm SO₂ and 9 ppm CO were observed at ground level.

Gas measurements were made from a helicopter in several areas where there was visible degassing (inside Baugur and above the lava field). Gas and aerosol samples will be analysed in the laboratory in the next few days.

Gas mælingar

Úr hrauninu sjást gufubólstrar víða en mest að því er virðist við norðurjaðar þess. Gufur koma sýnilega úr gígnum en enginn önnur virkni þar er sjáanleg.

Við vesturjaðar hraunsins sást afgangandi op með brennisteins útfellingum og mjög greinilegum, brúnleitum gufustrók. Opið er um 50 metra inn í hrauninu sem var mjög úfið og seinfarið. Mælingar á Gasi voru gerðar með tveim mælum (Handmæli og mælum frá alphasens)

Hæðstu gildi sem fundust í opinu voru 7ppm SO₂ og 9 ppm CO.

Gasmælingar úr þyrlu voru gerðar á nokkrum stöðum yfir hrauninu (við Baug og önnur afgangandi op). Unnið verður úr þeim mælingum svo fljótt sem hægt er þegar til reykjavíkur verður komið.



New installation

The multiGAS station in Þorvaldshraun was taken down and moved to a new site one km west of the vent of the now ceased eruption. A New scanning DOAS instrument was installed at the same site with the direction of its scanner looking at 93°.

The DOAS instrument in Urðarháls was taken down and will be installed hopefully on the 4th of March closer to the vent.

Ný uppsetning

MultiGAS stöðin í Þorvalshrauni var tekin niður og færð á nýjan stað í um kílómeters fjarlægð vestur af gígnum. Nýr DOAS skanni var settur upp á sama stað og skanninn horfir í 93°

DOAS skanninn á Urðarhálsi var tekin niður og verður settur upp nær gosstöðvunum miðvikudaginn 4. mars



