



## **Fieldwork report on conditions in the 2014 Holuhraun volcanic eruption Iceland**

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Since the start of the unrest at Bárðarbunga and the 2014 fissure eruption in Holuhraun Iceland, countless hours have been spent doing fieldwork. This presentation will focus on reporting the conditions that have been experienced by staff of the Icelandic Meteorological Office since the beginning of the unrest. The eruption is located north of Vatnajökull glacier on a floodplain. The area is very remote at an elevation of 700 meters, the nearest farm is about 100 km away. The Holuhraun site would be at risk of flooding should the eruption extend to the Vatnajökull ice-cap.

The presentation will mainly focus on working conditions experienced during field installations and data gathering at different time stages of the eruption (August – present). Typical problems are mostly weather and gas related but a range of other challenges have been met. The presentation will focus on the following aspects; traveling to the field, glacier installations, working in a desert environment, the hazard of the gas plume, the effect that low temperatures has on equipment and working with helicopters. The aim of this report will be to get an open discussion about fieldwork related problems that may benefit us in the future, be it for the benefit of the presenter or the audience.