

Weather radar network of Iceland ***- News -***

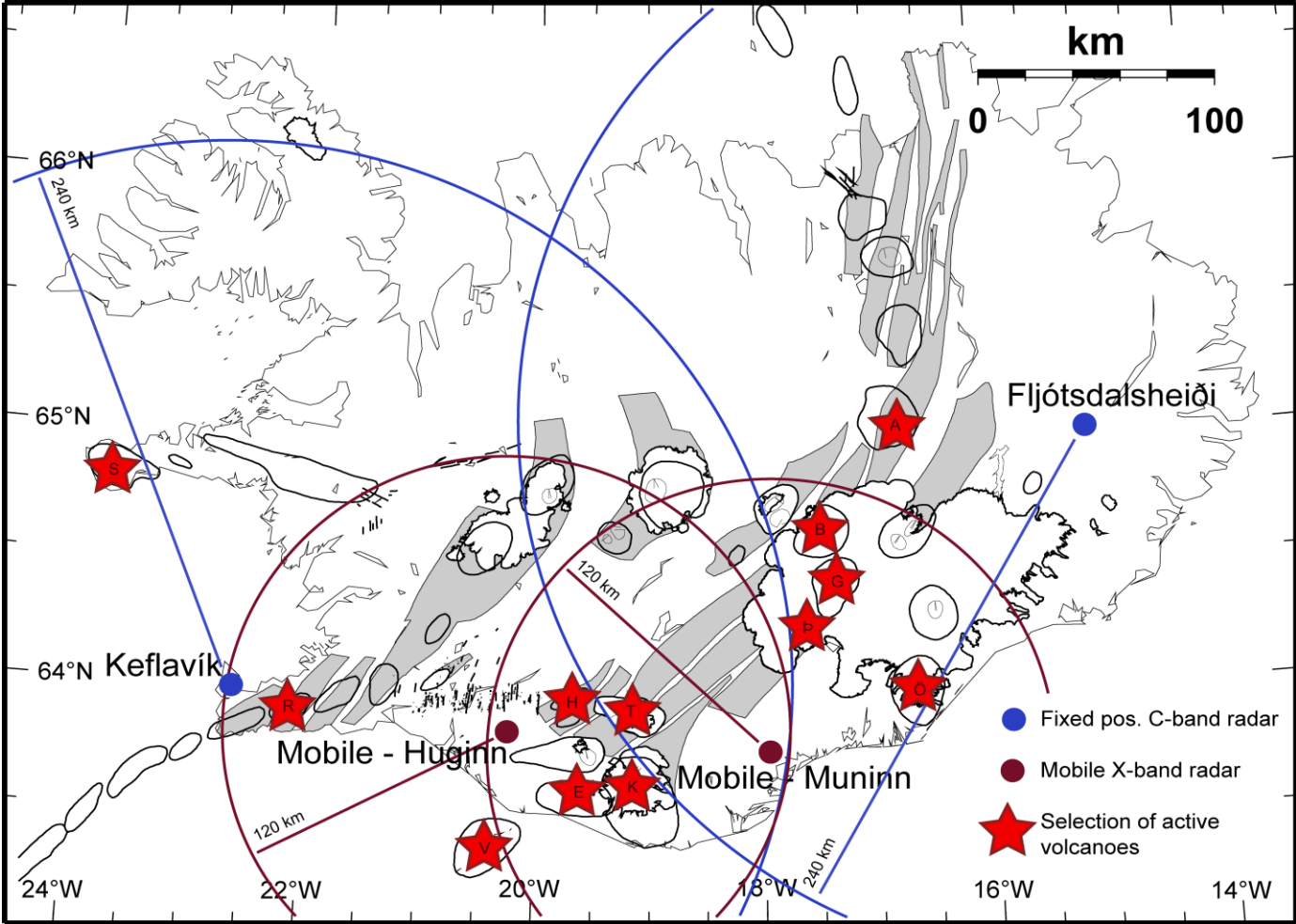
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Radar Network



Fixed Position C-band Radars



Fljótsdalsheiði E-Iceland C-band radar.
Photo Geirfinnur S. Sigurðsson 8 October 2012



Keflavík SW-Iceland C-band radar.
Photo Þórður Arason 9 August 2011

Two Mobile X-band Radars



Specially adapted truck to take mobile radar off road.
Photo Hermann Arngrímsson 25 September 2016



Mobile radar installed with clear view over
Bárðarbunga volcano.
Photo Þorgils Ingvarsson 22 August 2014

Issues in late 2017

In desember the EEC at Fljótsdalsheiði had promblems with the amplifier(WestAmp) that controls both motors in the pedistal.

It started to short circuit and cut power from the motor assembly due to overcurrent. Preliminary solution was to slow down the rotation speed and have fewer elevations.

Scan plans are transmitted to Odyssey are flagged orange, they reach just in time for the composite.

Under investigation:

XX:55 scan plans are transmitted from IMO at XX:03:15. Odyssey shows that files arrive at xx:09.

Could this be a file name issue? The files from IMO are named from the start time of scan plans.

Future work

C-band radar renewal is ongoing. We have requested funds and are waiting for approval. We have a ROM price from Saab AB for renewal of both radars. They plan to reuse antenna, pedestal, transmitter and waveguides from TX to pedestal.

Keflavík radar renewal in 2019

- Ericsson radar from 1991

Fljótsdalsheiði radar renewal in 2020

- EEC radar from 1998

If we get positive feedback for renewal then tender documents will be ready in the fall of 2018.

Looking forward for discussions