

# ***Weather radar network of Iceland - News from 2017 -***

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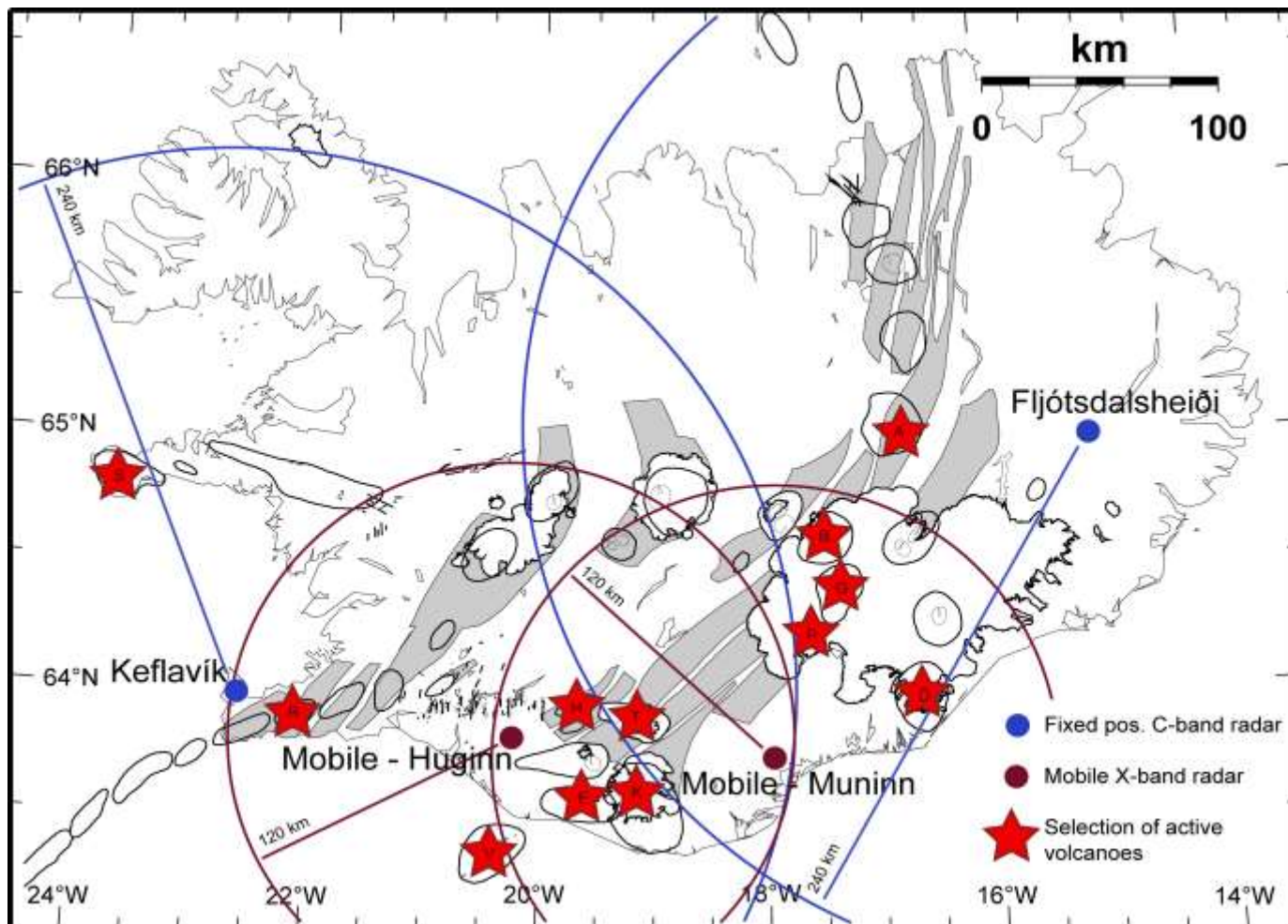
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# Radar Network



# 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

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# Issues in 2017

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- Incoming data from C-band radars, Keflavik and Fljótsdalsheiði, were transmitted to Odyssey later than the required 10 min in Q2 2017.

Resolved in April.

- Scan plans were shifted forward by 5 minutes for all radars.
- At the same time the scanning plans were changed. Now the radars start scanning in the highest elevation.

By this, the highest amount of weather data detected is in the end of the scan plan, just before the data is sent to us.

- Azimuth motor replaced at Fljótdalsheiði in May

## Future plans

### Keflavík radar renewal

- Ericsson radar from 1991
- Do we have standard requirements?

### Scan strategies for Dual Pol systems with LDR capabilities

- ZDR, every 15 minutes
- LDR, every ?
- Other scan plans ?

Looking forward for discussions