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# National Report on the Icelandic Weather Radar Network

**Pórður Arason & Hermann Arngrímsson**  
arason@vedur.is, hermann@vedur.is



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Veðurstofa Íslands - Icelandic Meteorological Office, Bústaðavegur 9, IS-105 Reykjavík, Iceland

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# Three New Weather Radars 2021-2022

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**Installation of three new state-of-the-art C-band radars in Iceland replacing two old ones**

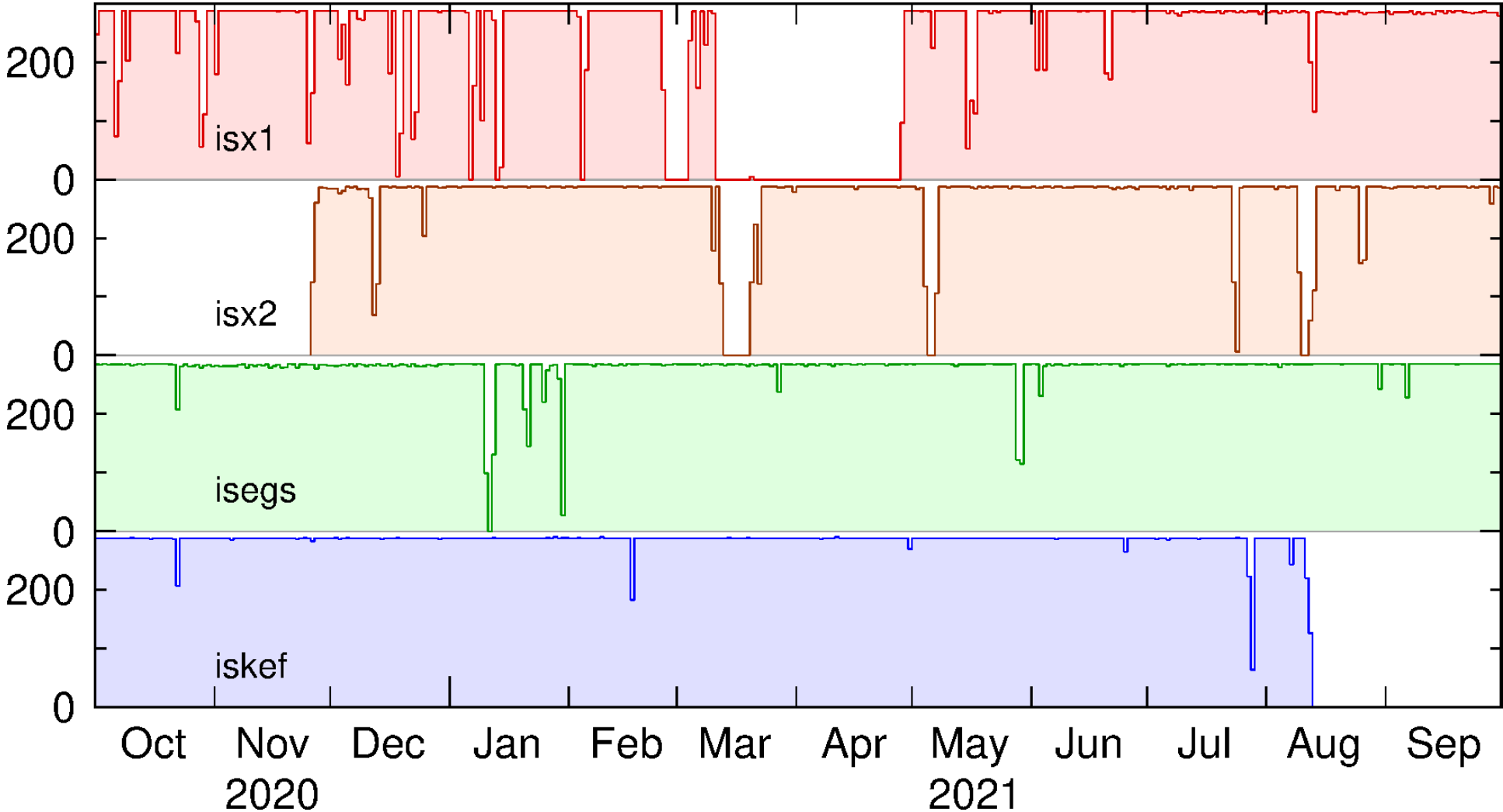
## **Leonardo Meteor 735CDP10 weather radars**

- Aug-Sep 2021 **iskef** renewed (SW-Iceland)
  - Dual-Pol, 480 kW, 5450 MHz, SAT 1 Oct 2021
- ~Aug 2022 **isegs** renewed (E-Iceland)
- ~Sep 2022 **issak** new radar (N-Iceland)

**RPP at IMO-hq: Latest version of Rainbow 5.57 installed**

# Radar Data Retrievals

## Number of scans per day, Oct 2020 – Sept 2021



# Data Retrievals 2020-2021

## Keflavík - iskef

- Jan-Dec 2020: 99.8%
- Jan-Sep 2021: 81.2%



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

## Fljótsdalsheiði - isegs

- Jan-Dec 2020: 98.1%
- Jan-Sep 2021: 96.8%



Fljótsdalsheiði E-Iceland EEC C-band radar. Photo Hermann Arngrímsson 8 July 2016.

## Mobile - isx1

- Jan-Dec 2020: 92%
- Jan-Sep 2021: 76%

## Mobile - isx2

- Jan-Dec 2020: 25%
- Jan-Sep 2021: 93%



Specially adapted truck to take mobile radar off road. Photo Jón Gunnar Egilsson 25 September 2019.



# New Installation in Keflavík – iskef

Aug-Sept 2021 – SAT 1 Oct 2021



1991 Ericsson Radar



2021 Leonardo Meteor 735CDP10 Radar





# Installation Plans — isegs & issak

## Aug-Sept 2022

- **isegs** — Radar renewal at Fljótsdalsheiði, E-Iceland, ~Aug 2022
- **issak** — New radar site at Skagi, N-Iceland, ~Sept 2022

