

## Geomagnetic Data in Iceland

Geomagnetic data obtained by a fluxgate magnetometer at three observatories in Iceland, Tjornes, Husafell, and Aedey, during the period from September 2001 to January 2004. These observatories are maintained by National Institute of Polar Research, Japan in collaboration with Science Institute, University of Iceland.

## Geographic and Magnetic Coordinates

\* Geomagnetic coordinates are calculated by the IGRF model at 00 UT on 23 November 2003 at altitude of 100 km above observatory.

Magnetometer observatory in Iceland

Station Name	Geogra. Lat	Geogra. Lon.	Mag. Lat.	Mag. Lat.	MLT(hr)	L-value
Tjornes	66.19N	342.07 E	66.74 N	70.617	UT-0.07	6.41
Aedey	66.10N	337.34 E	67.31 N	66.65	UT-0.33	6.72
Husafell	64.67N	338.98 E	65.60 N	66.96	UT-0.31	5.86
Leirvogur*	64.10 N	338.30 E	65.11N	66.03	UT-0.33	5.64
Hella**	63.77 N	339.44 E	64.60 N	66.77	UT-0.32	5.43

\* Leirvogur observatory is operating by Science Institute, University of Iceland (data are not shown here)

\*\* Hella is one of SAMNET observatory operating by the Lancaster University (data are not shown here)

## Plotted data

H-component:

- Northward component of the magnetic variation (all observatory)

D-component:

- Tjornes: **Westward** component of the magnetic variation
- Aedey: Eastward component of the magnetic variation
- Husafell: **Eastward component (before 2 September 2002) and Westward component (after 3 September 2002)** of the magnetic variation

Z-component:

- Downward component from the magnetic variation (all observatory)

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