

Eruption in Eyjafjallajökull

Status Report: 15:00 GMT, 12 May 2010

Icelandic Meteorological Office and Institute of Earth Sciences, University of Iceland

Compiled by: Steinunn S. Jakobsdóttir, Gunnar Sigurðsson, Sigrún Hreinsdóttir.

Based on: IMO seismic monitoring; IES-IMO GPS monitoring; IMO hydrological data; IMO weather radar measurements, web cameras, ATDnet – UK Met. Offices lightning detection system, NOAA satellite images and observations from aircraft and web-based ash reports from the public.

Eruption plume:

Height (a.s.l.): Mainly ~ 4 - 5 km / 13,000 - 17,000 ft, highest up to ~ 6 km / 20,000 ft.
Heading: East-southeast.
Colour: Grey.
Tephra fallout: Ashfall reported in Vík í Mýrdal and Meðalland. Ash mist in Álftaver.
Lightning: Several lightning were recorded on the ATDnet until noon today.
Noises: No reports.

Meltwater: Low water discharge at Gígjökull.

Conditions at eruption site: Similar activity to yesterday according to instruments and web cameras. The plume is a little lower today than yesterday.

Seismic tremor: Similar to previous days.

Earthquakes: Only a few earthquakes have been located since yesterday, all of magnitude less than Ml 2.

GPS deformation: Horizontal displacements towards the center of Eyjafjallajökull volcano and subsidence.

Overall assessment: No major changes are seen in the activity. The ash plume has slightly decreased since yesterday. Presently there are no indications that the eruption is about to end.