

Eruption in Eyjafjallajökull

Status Report: 15:00 GMT, 1 June 2010

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Based on: IMO seismic monitoring; IES-IMO GPS monitoring; IMO hydrological data; web cameras, ATDnet – UK Met. Offices lightning detection system, web-based ash reports from the public and scientists that went to the volcano.

Eruption plume:

Height (a.s.l.): Clouds and mist have covered the summit of the volcano both yesterday and today. At 08:00 GMT today a white cloud was seen at 2 km a.s.l. on web-cameras. Winds of up to 10 m/s are blowing from the east.

Heading: N/A

Colour: N/A

Tephra fallout: Widespread drifting of existing ash in southwest Iceland, both yesterday and today. High concentration of airborne dust in Reykjavík yesterday at noon and again at midnight.

Lightning: No lightning strikes have been detected.

Noises: No reports.

Meltwater: Low discharge from Gígjökull.

Conditions at eruption site: N/A

Seismic tremor: Volcanic tremor is still more than before the eruption and has been rather steady since 22nd May, but small pulses, mostly on the lowest frequency are being detected on the seismic stations around the volcano.

Earthquakes: Daily, there are several small and shallow earthquakes under the volcano.

GPS deformation: No significant deformation at sites around Eyjafjallajökull.

Overall assessment: There is still a considerable amount of steam coming from the crater. The tremor is still higher than before the onset of the eruption,

and small tremor pulses have been detected on the lowest frequency.
We continue to monitor the volcano closely.