

## Eruption in Eyjafjallajökull

Status Report: 15:00 GMT, 10 June 2010

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Based on: IMO seismic monitoring; IES-IMO GPS monitoring; IMO hydrological data; web cameras, lightning detection system, web-based ash reports from the public and research expedition of the IES to the summit on 3/6-2010.

### Eruption plume:

Height (a.s.l.): No information

Heading: SW-wind today, turning towards NW-wind tonight.

Colour: White (when last seen late on 7-8 June).

Tephra fallout: No information

Lightning: None were measured on the UK Met Office's system but 32 lightnings were measured on the New Mexico network on the 7 June.

Noises: Rumbling was heard at Gígjökull yesterday at around 15:00h just before a steam cloud rose from the crater.

Meltwater: Low discharge from Gígjökull.

Conditions at eruption site: The eruption site has not been visible today. White steam clouds were observed on a web-camera from Thórólfsfell on Monday evening, 7 May.

Seismic tremor: A slight increase was observed on Monday evening in the frequency range 1-2 Hz. The increase in the 0,5-1 Hz range today is probably due to the weather.

Earthquakes: A few small, shallow earthquakes have been recorded beneath the top crater in the last few days.

GPS deformation: Slow and continuous deformation towards the volcano in the last two weeks.

Overall assessment: A small increase in tremor was observed on Monday evening and higher steam clouds were seen at the same time on a web-camera. The clouds were white and contained little or no ash. We continue to monitor the volcano closely.