

## Eruption in Eyjafjallajökull

Status Report: 14:00 GMT, 22 May 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, Satellite images and web-based ash reports from the public.

### Eruption plume:

Height (a.s.l.): According to a reconnaissance flight, the plume is estimated at 4 km/14,000ft. A light easterly wind blows the plume to the west

Heading: West.

Colour: Lightgrey and grey, with a small amount of ash to the west, according to the reconnaissance flight.

Tephra fallout: No reports of ashfall today.

Lightning: No lightning strikes have been detected since 13:00, two days ago.

Noises: No reports.

Meltwater: Small discharge from Gígjökull.

Conditions at eruption site: The eruption rate is similar as yesterday. Still some explosive activity seen from the reconnaissance flight. Crater or lava flow not visible due to overcast cloud layer over the volcano.

Seismic tremor: Volcanic tremor levels similar to yesterday.

Earthquakes: About twenty earthquakes have been recorded since midnight, the majority at shallow depths.

GPS deformation: Horizontal displacements toward the centre of Eyjafjallajökull volcano and subsidence.

Overall assessment: The eruption is ongoing similar as yesterday. There are occasional explosions in the crater.