

## Eruption in Eyjafjallajökull

Status Report: 17:00 GMT, 25 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, and scientist on the volcano.

### Eruption plume:

Height (a.s.l.): According to a webcam, the plume is estimated at 2 km/6600ft. A light northerly wind.

Heading: South.

Colour: White, steam.

Tephra fallout: No reports of ashfall.

Lightning: No lightning strikes have been detected.

Noises: No reports.

Meltwater: Low discharge from Gígjökull.

Conditions at eruption site: Similar as yesterday, estimated through a webcam and a flight over the volcano. Blue smog (sulfuric gases) could be seen and a strong smell was felt inside the airplane when flying south of the volcano. A group of scientist went to the crater today and they could see a small blast of ash, but mostly it is steam that is formed above the crater that can be seen from distance.

Seismic tremor: Volcanic tremor is still more than before the eruption and has been rather steady the last couple of days, but small pulses, mostly on the lowest frequency (0.5-1.0 Hz), are being detected on the earthquake stations around the volcano.

Earthquakes: Eleven earthquakes have been detected under the volcano today, but 8 earthquakes were detected there yesterday.

GPS deformation: No significant deformation at sites around Eyjafjallajökull in the last couple of days.

**Overall assessment:** There is still a considerable amount of steam coming from the crater, and a small blast of ash was seen by scientist standing by the crater, but no ash was seen in the flight nor from the web cameras. The tremor is still higher than before the onset of the eruption, and small tremor pulses have been detected on the lowest frequency.