

Eruption in Eyjafjallajökull

Status Report: 12:00 GMT, 09 May 2010

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Based on: IMO seismic monitoring; IES-IMO GPS monitoring; IMO hydrological data; IMO weather radar measurements, MODIS and NOAA satellite images.

Eruption plume:

Height (a.s.l.): 4-5 km/14-17,000 ft but sometimes shoots up to 6 km /20.000 ft.

Heading: Southeast. But low level winds are easterly.

Colour: Grey/light gray.

Tephra fallout: Farther west now, ashfall started at Þorvaldseyri (south of eruption) around 08:00h, has also been reported at Skógar this morning (7-8 km east of Þorvaldseyri). The ash is black.

Lightning: No detections today over the eruption site.

Noises: Reports from Vestmannaeyjar-islands (35-40 km southwest of eruption), Vatnsdalur (190-200 km to the north), and Borgarfjörður (~150 km to the northwest.)

Meltwater: Daily fluctuations in discharge and temperature. No flash floods have been detected.

Conditions at eruption site: There was no flight today, but observations from web cameras show similar activity to yesterday.

Seismic tremor: Has been similar for the past 3 days, and similar amplitude on all frequency bands.

Earthquakes: Seven earthquakes of magnitude 1.5-2 have been located for the last 24hrs.

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

Overall assessment: Compared to last seven days, the output from the volcano has been slowly decreasing but the activity has been pulsating and further changes in overall activity can be expected. Presently there are no indications that the eruption is about to end.