

Grímsvötn volcano

Status Report: 17:00 GMT, 5 November 2010

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- Based on: IMO seismic monitoring; IMO hydrological data; IES-IMO GPS monitoring.
- Meltwater: Yesterday, at 16:10 GMT, a discharge of 735 m³/s was measured in the Gígja river. Discharge levels will likely return to pre-flood conditions within 2–3 days.
- Seismic tremor: In comparison to yesterday, tremor intensity at seismic station 'grf' is lower. Overall, seismic tremor at 'grf' is presently 20% of the level reached during the peak of the jökulhlaup. There are no indications of low frequency tremor suggestive of volcanic activity.
- Earthquakes: Three earthquakes ranging in size from magnitude 0.9 to 1.2 have been detected beneath Grímsvötn today.
- GPS deformation: No change; see status report from 01 November 2010.
- Overall assessment: Tremor levels at seismic station 'grf' have reduced slightly in the last 24 hours. Discharge measurements in the Gígja river show that the jökulhlaup is waning rapidly. Presently, there are no detectable signs of the beginning of a volcanic eruption at Grímsvötn.

This is the last status report for the Grímsvötn jökulhlaup. If signs of volcanic activity occur, we will resume these reports immediately.