

Þórður Arason, Eymundur Sigurðsson, Guðleifur M. Kristmundsson, Helga Jóhannsdóttir & Gísli Júlíusson (2000), Volcanogenic lightnings during a sub-glacial eruption in Iceland, *Conference Proceedings, Vol. A, 25th International Conference on Lightning Protection (ICLP 2000)*, Rhodes, Greece, 18-22 September 2000, 100-102.

The Icelandic lightning location system detected several lightnings during the Grímsvötn volcanic eruption in December 1998. However, many were not registered due to the fact that the direction finders (DF) are expected to register only ground flashes. We expect that many of the flashes may have been too weak or seemed strange to the DF's. Furthermore, it is possible that our old DF-equipment is poorly tuned. From the lightning data that we gathered, it appears that the lightning current of these volcanogenic lightnings is considerably lower than in weather lightnings.