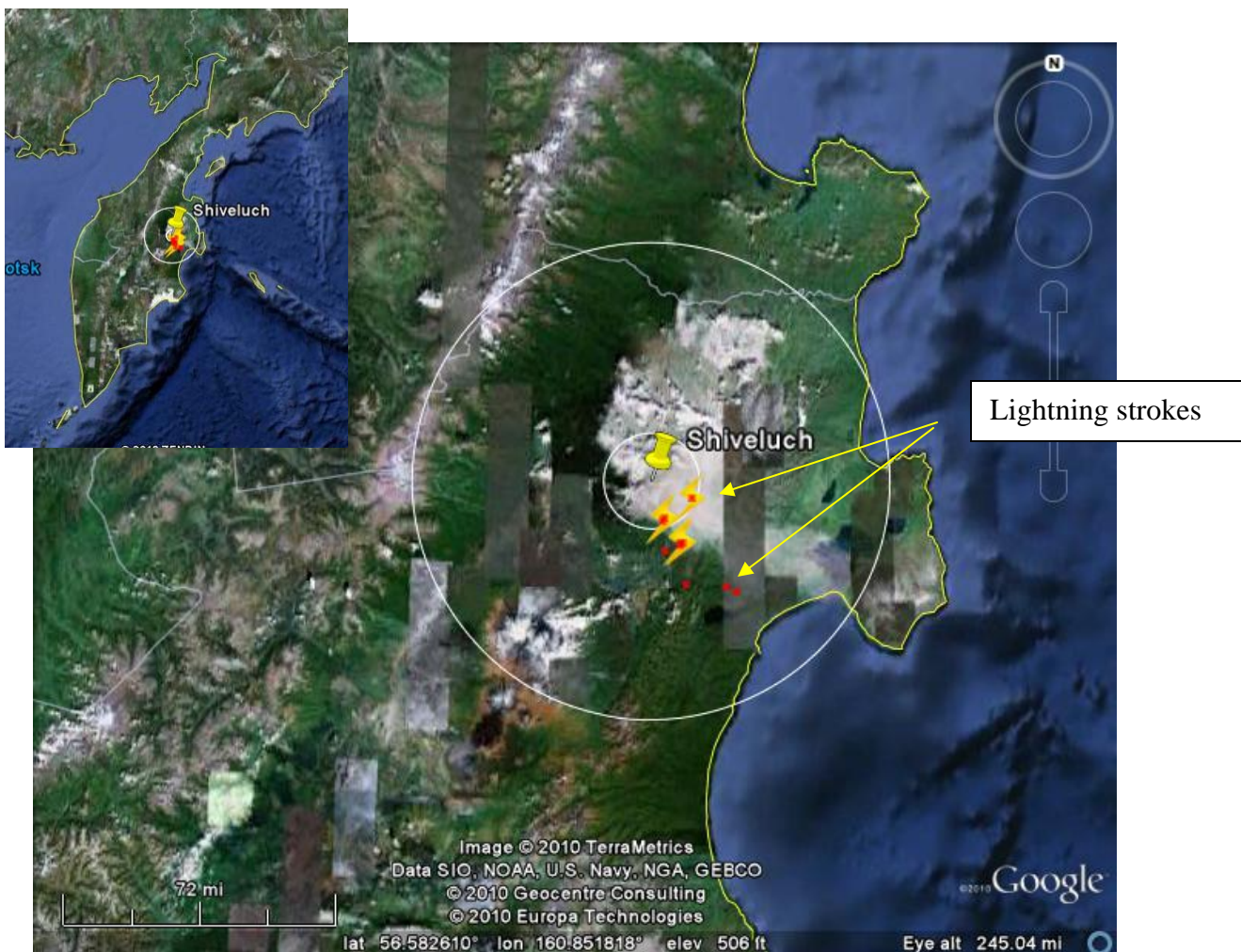


# FIRST EXPLOSIVE VOLCANO ERUPTION SUCCESS USING LIGHTNING DATA



## FIRST VOLCANO Eruption detected from WLLN lightning data

Alert Message (3<sup>rd</sup> of 3):  
 Date: Wed, 27 Oct 2010 17:57:05 +0000  
 From: sferix@flash4.ess.washington.edu  
 To: jwewert@usgs.gov  
 Subject: WLLN Volcano Alert: Shiveluch

Name: Shiveluch, Kamchatka  
 Location: 56.6530°N, 161.3600°E  
 Type: Stratovolcano

Start: 2010-10-27 16:56:00 UTC  
 Stop: 2010-10-27 17:56:00 UTC  
 Inner stroke count: 3  
 Outer stroke count: 2

Date: October 27, 2010 15:33:30 PDT  
 Subject: KVERT-Project: Sheveluch (1000-27) ash plume 20:09  
 UTC on October 27,  
 2010  
 Reply-To: KVERT <kvert@kscnet.ru>

KVERT-Project: Sheveluch (1000-27) 20:09 UTC on October 27,  
 2010

Volcano: Sheveluch (1000-27)  
 Aviation Color Code: Red  
 Location: 56°39'N, 161°21'E  
 Elevation of vent (meters/feet): 2,500 m/8202 ft the dome elevation  
 Height of ash plume (km/feet) ASL and how determined: km/0 ft -  
 unknown  
 Distance from the volcano (km/mi): km/0 mi  
 Direction of ash plume or ash cloud drift from the volcano: North  
 Time and method of observation: 20:09 UTC on October 27, 2010 -  
 NOAA 16 (4m5)  
 Start time of explosion and how determined: : UTC - unknown  
 Duration of eruption (or indicate eruption is continuing): eruption is  
 continuing

The large ash cloud from Sheveluch eruption probably mixed with  
 ash plume from

Klyuchevskoy volcano 160x110 km in size moved to south-east  
from the volcano.  
No video data.

Best regards,

Sergey Ushakov  
ushakov@kscnet.ru

Institute of Volcanology and Seismology FED RAS  
KVERT[LINK] [http://www.kscnet.ru/ivs/kvert/index\\_eng.php](http://www.kscnet.ru/ivs/kvert/index_eng.php)  
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