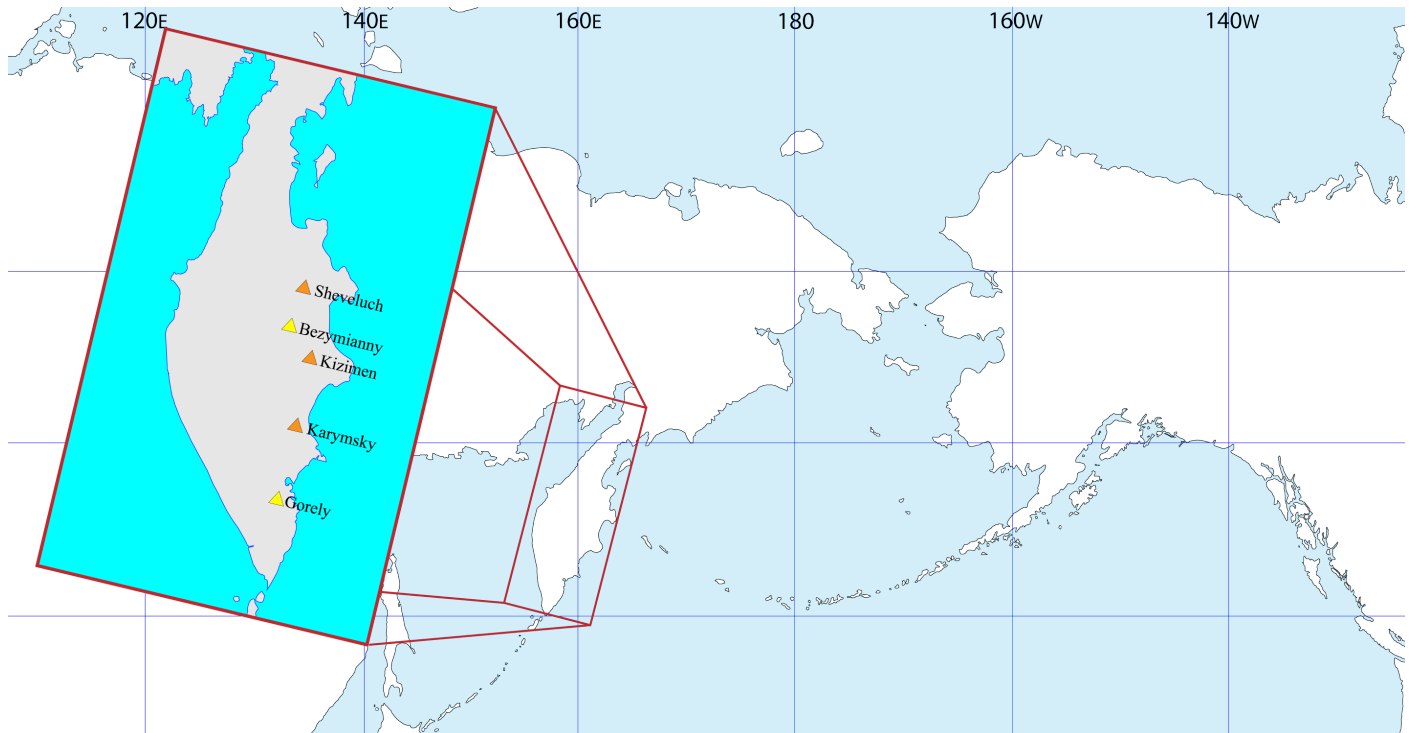


KVERT issue Kamchatka volcanic activity report



The Kamchatkan Volcanic Eruption Response Team (KVERT) has issued the following data concerning volcanic activity on the Kamchatka Peninsula in its weekly activity report.

Aviation Code Orange

Mt Sheveluch - 56°39'N, 161°21'E

Explosive-extrusive eruption of the volcano continues. Ash explosions up to FL330 could occur at any time. Ongoing activity could affect international and low-flying aircraft. Moderate seismic activity of the volcano continues. According to seismic data, ash plumes may have reached 15,400 ft (4.7 km) ASL on July 23 and 25-27. Moderate fumarole activity was observed on July 24 due to cloud obstruction further monitoring was not possible.

Mt. Kizimen - 55°08'N, 160°19'E

Eruption of the volcano continues. Strong ash explosions up to FL330 could occur at any time. Ongoing activity could affect international and low-flying aircraft. Seismic activity was above background levels all week. A weak volcanic tremor registered all week. According to the seismic data, it is possible that the ash plume may have reached up to FL100 for most of the week. Visual data from seismologists working in the vicinity of the volcano reveals that lava is flowing on the eastern flank of the volcano and a bright thermal anomaly has been recorded on satellite imagery all week. There is incomplete data of only one eruption of Kizimen (1928-29) that appears to have been moderately explosive in nature. However analysis of other data indicates that this volcano has produced several catastrophic eruptions during its evolution.

Mt Karymsky - 54°03'N, 159°27'E

Explosive activity of the volcano continues. Ash explosions up to FL200 could occur at any time. Activity of the volcano could affect low-flying aircraft. Moderate seismic activity of the volcano continues, possible weak ash plumes all week. A thermal anomaly was registering over the volcano on July 22 and 24-27; clouds obscured the volcano on the other days of week.

Aviation Code Yellow

Mt Bezymianny - 55°58'N, 160°36'E

Effusion of viscous lava flow at the dome slope continues. Small ash plumes from hot avalanches are possible. Ash and aerosol plumes could affect low-flying aircraft. Seismic activity does not exceed background levels all week. According to video data, a moderate fumarole activity was observed on July 24, clouds obscured the volcano on the other days of week.

Mt Gorely - 52°33'N, 158°02'E;

Seismic activity of the volcano remains high. This ongoing unrest may eventually lead to an explosive eruption. Aerosol plumes from the volcano could affect low-flying aircraft. Moderate seismic activity of the volcano continues and weak volcanic tremor was registering at the volcano all week. According to visual data, a moderate fumarole activity was observed on July 24-27, clouds obscured the volcano on the other days of week. A thermal anomaly was registered over the volcano on July 22 and 24-25.

About KVERT

KVERT is a collaborative project of scientists from the Institute of Volcanology and Seismology (IVS), the Kamchatka Experimental and Methodical Seismological Department (KEMSD), and the Alaska Volcano Observatory (AVO). The primary purpose of KVERT is to reduce the risk of aircraft encounters with volcanic ash clouds in the North Pacific region through timely detection of eruptive activity and prompt notification of airline authorities about volcanic ash hazards.

KVERT assigns a level of concern color code for active volcanoes using multiple information sources including: seismicity, remote-video systems, field observations, satellite images, and pilot reports. KEMSD maintains 28 telemetered seismic stations on 11 of the most active volcanoes in Kamchatka and North Kurile Islands. Satellite data are provided from several sources and interpreted by scientists from AVO, KEMSD, and IVS. AVO, IVS and KEMSD scientists are in frequent contact and AVO assists with dissemination of KVERT information statements. Close cooperation is required because Russian volcanoes frequently produce ash clouds that travel across the North Pacific and Russian Far East air routes.

Additional Information

Click [here](#) for IFALPA's Position on the operation of aircraft near volcanic ash plumes

Click [here](#) for manufacturer advice on operation of aircraft near volcanic ash plumes