

Concerning new land formation/expansion due to eruptions on Nishinoshima Island since 2013 (5th report)

The formation of a new island on the sea approximately 500m southeast of Nishinoshima Island was confirmed on November 20th, 2013. Thereafter, new island eruptions continued and the area of the island is continually expanding, having become connected to Nishinoshima Island.

Topographic interpretation map have been created by interpreting the aerial photographs that were taken with a UAV on July 4th. Topographic interpretation has made the following facts clear.

1. The crater of the pyroclastic cone on the north side (Attachment 5-1: ①) is very active, and it has grown significantly with eruptions of smoke and releases of pyroclastic material.
2. The crater of the pyroclastic cone on the south side (Attachment 5-1: ②) is active but appears to have almost stopped.
3. The lava flow from the crater on the western edge of the pyroclastic cone (Attachment 5-1: ③), which had so far continuously erupted a lava flow, appears to have stopped.
4. A crater has been formed between two pyroclastic cones on the south side and north side (Attachment 5-1: ④), and lava is now being erupted from this new crater. The lava flow is flowing in easterly and southerly directions, and the area of the island continues to expand.