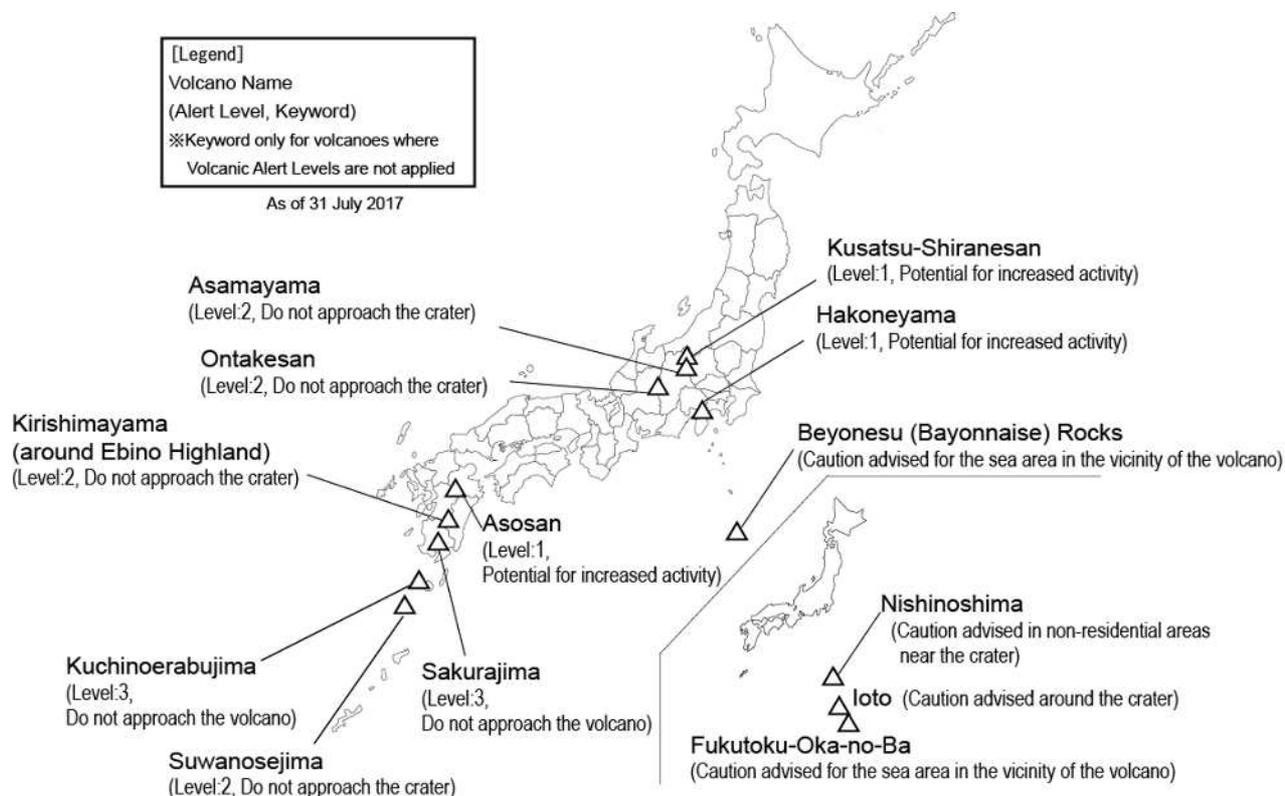


# Monthly Volcanic Activity Report (July 2017)

Japan Meteorological Agency



## Kusatsu-Shiranesan (Alert Level: 1)

Thermal activity remains high around the Yugama crater and the Mizugama crater.

## Asamayama (Alert Level: 2)

The number of imperceptible volcanic earthquakes in very shallow parts immediately under the summit crater has remained high since April 2015. Also amount of volcanic gas (SO<sub>2</sub>) emissions have remained at high levels and weak volcanic glows were occasionally observed, so volcanic activity is now quite high.

The potential for small eruptions affecting areas around the crater remains.

## Ontakesan (Alert Level: 2)

No eruptions have been recorded since October 2014, indicating a declining trend in plume activity and seismic activity beneath the summit. The potential for eruptions is low.

## Hakoneyama (Alert Level: 1)

Volcanic seismicity has remained at low levels. No remarkable changes have been seen in data of ground deformation. However, fumarolic activity on some fumaroles around the Owakudani has remained at high levels.

## Beyonesu (Bayonnaise) Rocks

According to observations conducted by the Japan Coast Guard (JCG) and the 3rd Regional Coast Guard Headquarters so far, discoloration or bubbles on the sea surface around Myojin Sho was reported. Minor submarine eruptions may occur in the future.

## Nishinoshima (Near-crater Warning)

Ongoing eruption was reported from aerial observation conducted in collaboration with the Japan Coast Guard (JCG), the 3rd Regional Coast Guard Headquarters and Meteorological Research Institute. There is a possibility that the eruptions continue.

### **Ioto (Near-crater Warning)**

Volcanic seismicity has remained at relatively low levels. Continuous GNSS measurement showed repeated rising trend and static state.

### **Fukutoku-Oka-no-Ba (Near-sea-area Warning)**

According to observations conducted by Japan Coast Guard (JCG), 3rd Regional Coast Guard Headquarters, the Japan Maritime Self Defense Force (JMSDF) and JMA so far, discoloration or other anomalies have frequently been identified in the water surrounding Fukutoku-Oka-no-Ba in recent years. Volcanic activity has remained at relatively high levels.

### **Asosan (Alert Level: 1)**

Volcanic gas (SO<sub>2</sub>) emissions remained at relatively high levels but fluctuated between 600 – 2,500 tons a day.

Field surveys conducted during this period revealed that green hot water covered 100 percent of the Nakadake No. 1 crater as same as the previous month. No sediment blowouts have been observed.

No remarkable changes in tiltmeter observation data related to volcanic activity have been seen. The extension of the baseline indicating inflation of a magma chamber, which is considered to be present in deeper parts of Kusasenri, was observed since around July 2016 in the results of continuous GNSS measurement, but has stopped since mid-November.

No signs of eruptions affecting the area around the crater have been seen, but the potential for sediment blowouts and volcanic ash emissions inside the crater is present.

### **Kirishimayama (around Ebino Highland) (Alert Level: 2)**

The thermal anomaly zone observed on December 2015 has gradually expanded and fumarolic volume has increased. Changes in tiltmeter data from the southwestern side of Ioyama indicated a rising trend on the mountain from 25 April.

Enhanced fumarolic activity around Ioyama is observed only in the area where such activity was seen in the past. However, an eruption causing volcanic ash to fall around the crater may occur because slight expansion of the volcano continues in a very shallow part of the Ioyama crater.

### **Sakurajima (Alert Level: 3)**

Eruptive activity at Sakurajima has remained.

1 of 7 eruptions at the Showa crater observed was explosive. No eruptions were observed at the Minamidake summit crater.

The magma chamber inflation under the Aira Caldera is ongoing. The data collected may indicate a possibility that the eruptions continue.

### **Kuchinoerabujima (Alert Level: 3)**

Volcanic seismicity has remained at low levels, but amounts of volcanic gas (SO<sub>2</sub>) emissions had remained 100 - 400 tons a day.

According to a field survey, no remarkable changes were seen in plume emissions and distribution of thermal anomalies.

Amounts of volcanic gas (SO<sub>2</sub>) emissions have been at relatively higher levels than that of before the eruption on August 2014. Because of this, the potential for eruptions on the scale of the one that occurred on 29 May 2015 is low, but eruptions may still occur.

### **Suwanosejima (Alert Level: 2)**

Eruptions occurred occasionally at the Otake crater.

The potential for eruptions affecting areas around the crater remains.