

# 1



Here are reports from the end of April, 2018 about each of the five volcanoes on the island of Hawai'i.

### Kohala

- 20.09° N, 155.72° W
- Summit elevation 5,479 ft (1,670 m)
- Kohala is an **extinct volcano** that last erupted about 60,000 years ago.



### Mauna Loa

- 19.48° N, 155.60° W
- Summit elevation 13,681 ft (4,170 m)
- Mauna Loa is an **active volcano** that is not currently erupting.
- **Deformation** beneath the summit and upper Southwest Rift Zone has been slowing down.



## Mauna Kea

- 19.82° N, 155.47° W
- Summit elevation 13,796 ft (4,205 m)
- Mauna Kea is a **dormant volcano**. It was last active about 4,600 years ago.



## Hualālai

- 19.69° N, 155.87° W
- Summit Elevation 8,278 ft (2,523 m)
- Hualālai is an **active volcano** that typically erupts two to three times per 1,000 years. It last erupted in 1801.
- No significant **deformation** around Hualālai has been reported during the past five years.

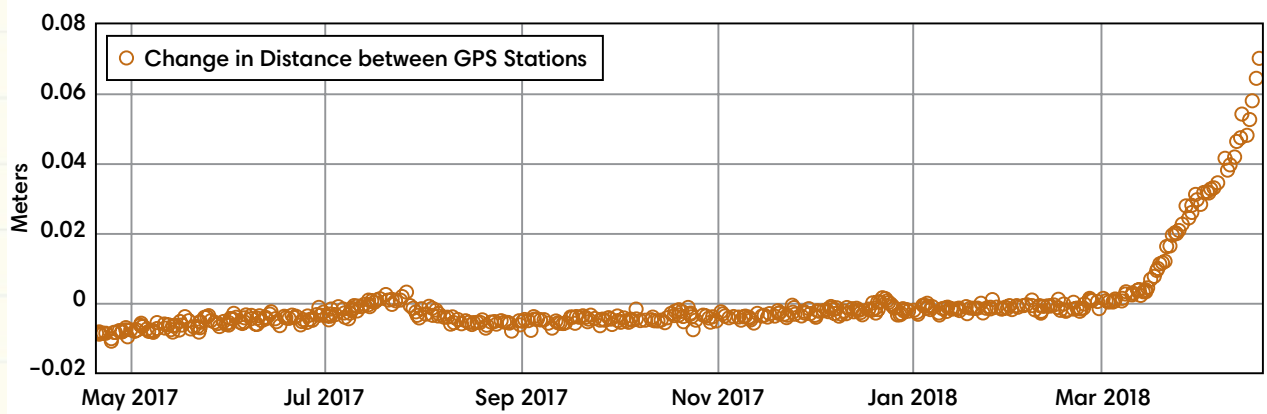
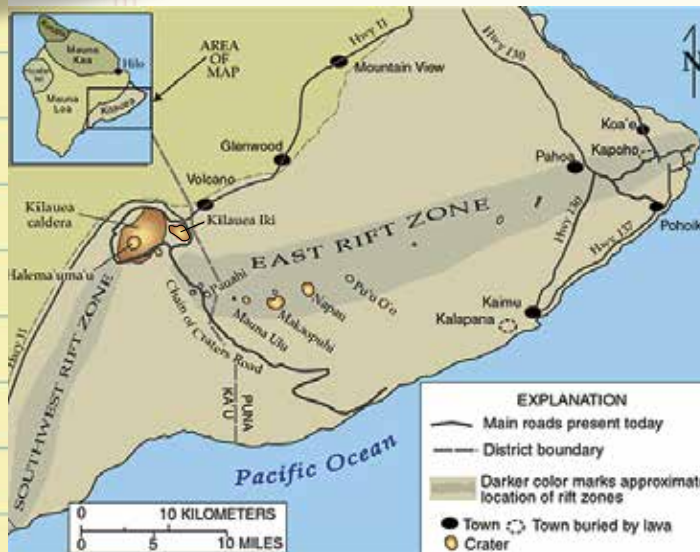


Image Credit: J. Kauahikaua



### Kilauea

- 19.42° N, 155.29° W
- Summit elevation 4,091 ft (1,247 m)
- Kilauea is an **active volcano** that has been erupting continuously since 1983. **Lava flows** have occurred from the East Rift Zone (see map) and entered the ocean. New **fissures** erupted near Pu'u 'Ō'ō (see map) in June 2014 and May 2016. There is an active lava flow from Pu'u 'Ō'ō within an area that is closed to the public. There is no lava entering the ocean at this time.
- **Deformation** from the past year is shown in the graph below.



Change in distance between two GPS stations near Pu'u 'Ō'ō

Source: Adapted from U.S. Geographical Survey  
Image credit: U.S. Geographical Survey



### EARTHQUAKES

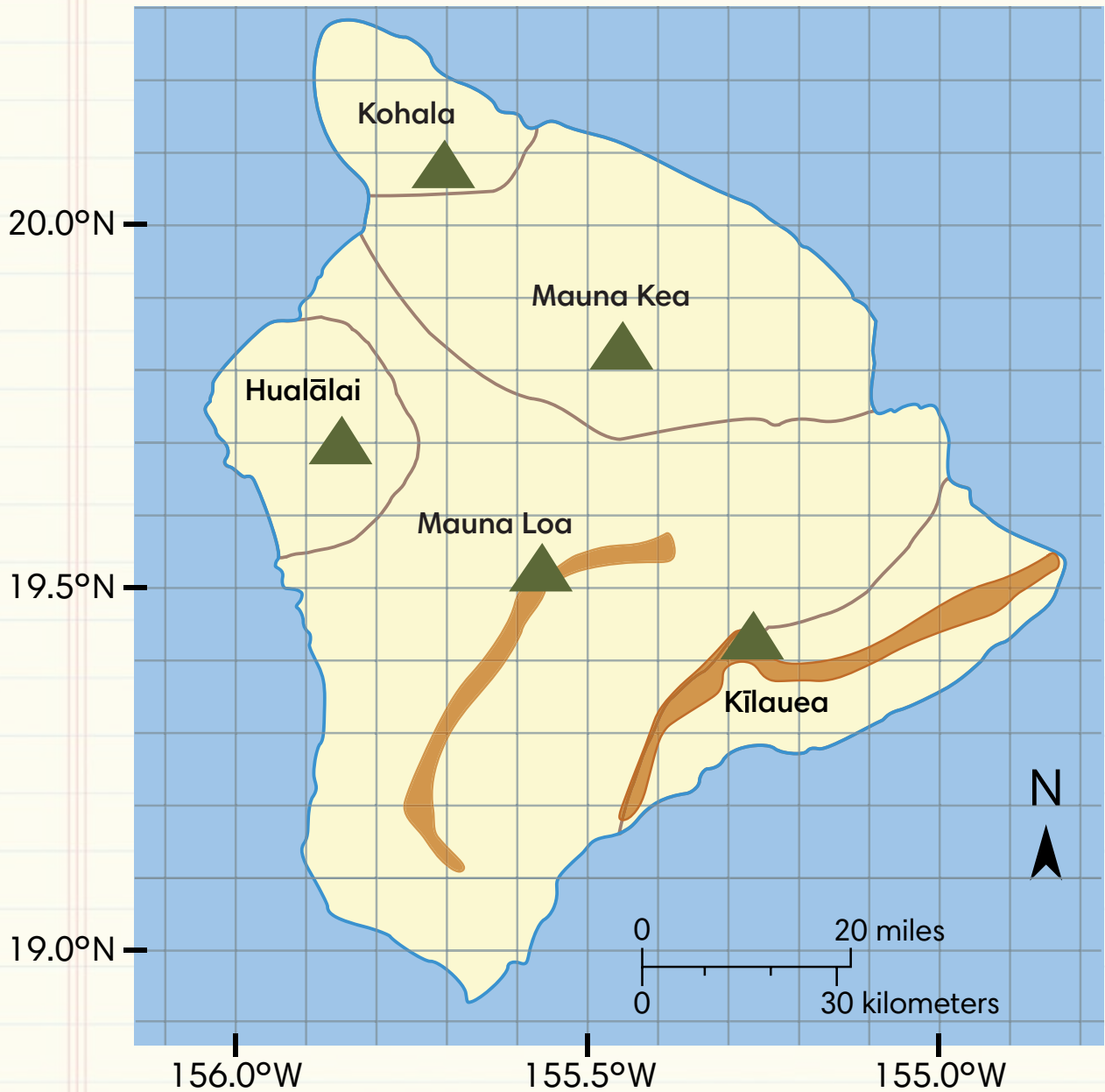
- The list below shows the earthquakes that occurred in the area shown on the map on the next page during the dates of March 3, 2018 to May 3, 2018\*.
- Use the coordinates of the locations to plot the earthquakes on the map.

\*Earthquakes shown are of magnitude 3.0 or greater.

Date	Time	Location
3/3/18	6:10 PM	19.42 N, 155.61 W
3/4/18	9:31 PM	19.43 N, 155.61 W
3/21/18	3:49 AM	19.21 N, 155.41 W
3/28/18	1:43 AM	18.91 N, 155.37 W
4/4/18	8:24 AM	18.90 N, 155.36 W
4/26/18	11:08 PM	19.38 N, 155.24 W
5/1/18	4:40 AM	19.34 N, 155.06 W
5/1/18	5:49 AM	19.33 N, 155.06 W
5/1/18	12:39 PM	19.27 N, 155.10 W
5/1/18	1:12 PM	19.34 N, 155.02 W
5/1/18	3:52 PM	19.34 N, 155.02 W
5/1/18	10:07 PM	19.34 N, 154.99 W
5/2/18	4:00 AM	19.31 N, 154.97 W
5/2/18	6:47 AM	19.33 N, 154.98 W
5/2/18	9:31 AM	19.31 N, 154.96 W
5/3/18	9:22 AM	19.38 N, 154.86 W
5/3/18	9:22 AM	19.38 N, 155.22 W
5/3/18	8:30 PM	19.38 N, 155.22 W



### ISLAND OF HAWAI'I





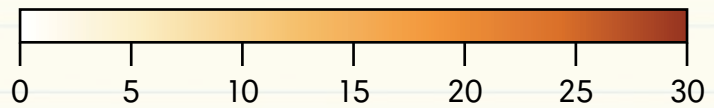
### SULFUR DIOXIDE

The map below shows the amount of sulfur dioxide that was present in the atmosphere around Hawai'i on April 30 and May 3, 2018.



▲ volcano

Sulfur Dioxide (Dobson units)



Source: Base map and data: NASA