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# Montserrat Volcano Observatory

24 June 2022  
9:00 am

## MVO Weekly Report for the Period 17 to 24 June 2022

Activity at the Soufrière Hills Volcano remains low.

The seismic network recorded 12 volcano tectonic earthquakes this week.

SO<sub>2</sub> flux measurements were taken by boat on 17 and 23 June and by helicopter on 21 and 22 June. The average flux values were 608 tonnes per day on the 17 June from ten traverses, 344 tonnes per day on 21 June from 11 traverses, 695 tonnes per day on the 22 June from ten traverses and 562 tonnes per day on 23 June from ten traverses.

Due to the large size of the lava dome, pyroclastic flows can occur at any time without warning on any side of the volcano, including Gages from where they can travel rapidly into Plymouth. Tracks across the Belham Valley can be destroyed or heavily modified by flash flooding or lahars, and caution should be exercised crossing the valley during and after rainfall.

The Hazard Level is 1. There is no public access to Zone V, including Plymouth. Maritime Zones E and W are daytime transit only between sunrise and sunset (boats may sail through the zone but must not stop). Anyone who ignores these restrictions is liable to be prosecuted.

This report along with additional information on the Soufrière Hills Volcano and the Hazard Level System can be found at the MVO website: [www.mvo.ms](http://www.mvo.ms). Old weekly reports can be downloaded from [http://www.mvo.ms/pub/Activity\\_Reports/](http://www.mvo.ms/pub/Activity_Reports/). You can also follow @mvoms on both Facebook, Instagram, and Twitter.

**Graham A. Ryan**  
Director

## MVO Weekly Report for the Period 17 to 24 June 2022

### Monitoring Data Summary

#### Seismic Activity (number of events)

	This week	Last week	Last 4 weeks (weekly average)
Rockfalls	0	0	0
VT earthquakes	12	2	8
Hybrid earthquakes	0	0	0
LP earthquakes	0	0	0

#### Sulphur Dioxide Flux (tonnes per day)

	This week	Last week	Last 4 weeks
Average	552	268	346
Maximum	995	359	472
Minimum	128	200	229

*Note: The numbers provided in the tables above are provisional and may be subject to change after further analysis of the data.*