



# Montserrat Volcano Observatory

10 June 2022  
9:00 am

## MVO Weekly Report for the Period 03 to 10 June 2022

Activity at the Soufrière Hills Volcano remains low.

The seismic network recorded 13 volcano tectonic earthquakes this week.

SO<sub>2</sub> flux measurements were taken by boat on 06 June and by helicopter on 07 and 08 June. The average flux values were 319 tonnes per day on 06 June from seven traverses, 452 tonnes per day on 07 June from ten traverses and 195 tonnes per day on 08 June from 11 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

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### Monitoring Data Summary

#### Seismic Activity (number of events)

|                    | This week | Last week | Last 4 weeks<br>(weekly average) |
|--------------------|-----------|-----------|----------------------------------|
| Rockfalls          | 0         | 1         | 0                                |
| VT earthquakes     | 13        | 11        | 7                                |
| Hybrid earthquakes | 0         | 0         | 0                                |
| LP earthquakes     | 0         | 0         | 0                                |

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

|         | This week | Last week | Last 4 weeks |
|---------|-----------|-----------|--------------|
| Average | 322       | 280       | 474          |
| Maximum | 511       | 327       | 655          |
| Minimum | 131       | 242       | 326          |

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