



# Montserrat Volcano Observatory

10 September, 2021  
9:00 am

## MVO Weekly Report for the Period 03 to 10 September 2021

Activity at the Soufrière Hills Volcano remains low.

The seismic network recorded 9 volcano-tectonic earthquakes and four rockfalls this week. The earthquake that was felt last night (9 Sept) at 9:16 pm was located about 120 km east of Montserrat with a magnitude of 5.3.

Measurements of the SO<sub>2</sub> flux were taken by boat on 07 September. There were eight traverses with an average flux of 319 tonnes per day.

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 and Twitter.

**Graham A. Ryan**  
Director

**Monitoring Data Summary**

**Seismic Activity (number of events)**

	<b>This week</b>	<b>Last week</b>	<b>Last 4 weeks (weekly average)</b>
<b>Rockfalls</b>	4	3	
<b>VT earthquakes</b>	9	20	
<b>Hybrid earthquakes</b>	0	0	
<b>LP earthquakes</b>	0	0	

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

	<b>This week</b>	<b>Last week</b>	<b>Last 4 weeks</b>
<b>Average</b>	319	298	429
<b>Maximum</b>	373	387	613
<b>Minimum</b>	269	221	277

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