



Montserrat Volcano Observatory

27 August, 2021
9:00 am

MVO Weekly Report for the Period 20 to 27 August 2021

Activity at the Soufrière Hills Volcano remains low.

The seismic network recorded 33 volcano-tectonic earthquakes, most of which occurred in three brief swarms on 24 and 25 August, two long period earthquakes and two rockfalls this week.

SO₂ flux measurements were taken by boat on 24 August and by helicopter on 26 August. The average flux values were 425 tonnes per day on the 24 August from nine traverses and 263 tonnes per day on 26 August 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. Old weekly reports can be downloaded from 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)

	This week	Last week	Last 4 weeks (weekly average)
Rockfalls	2	3	1
VT earthquakes	33	11	8
Hybrid earthquakes	0	0	0
LP earthquakes	2	0	0

Sulphur Dioxide Flux (tonnes per day)

	This week	Last week	Last 4 weeks
Average	340	361	490
Maximum	535	551	671
Minimum	170	178	341

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