



Montserrat Volcano Observatory

July 10, 2020
9:00 am

MVO Weekly Report for the Period 3 to 10 July 2020

Activity at the Soufrière Hills Volcano remains low.

The seismic network recorded 7 volcano tectonic earthquakes this week. Four of these events occurred in a string on 7 July 2020. SO₂ flux measurements were made from the helicopter on 7, 8 and 9 July, with daily averages of 272 ± 45 t/d, 498 ± 68 t/d and 126 ± 20 t/d respectively. The weekly average across the three days gives 338 t/d from 21 traverses, with a maximum of 599 t/d and a minimum of 90 t/d.

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.

Adam Stinton
Director Ag.

Monitoring Data Summary

Seismic Activity (number of events)

	This week	Last week	Last 4 weeks (weekly average)
Rockfalls	0	0	0
VT earthquakes	7	6	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	338	n/a	n/a
Maximum	599	n/a	n/a
Minimum	90	n/a	n/a

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