Montserrat Volcano Observatory

3 November 2017
9:00 am

MVO Weekly Report for the Period 27 October to 3 November 2017

Activity at the Soufrière Hills Volcano remains low.

The seismic network recorded four volcano-tectonic earthquakes and five rockfalls this week.

Measurements of the SO_2 flux were made using the helicopter on 31 October. A total of 10 traverses beneath the plume were carried out, with an average SO_2 flux of 392 tonnes per day.

The smell of volcanic gases has been noticeable at times during the week when the volcanic plume was blown over inhabited areas.

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
Acting Director

Montserrat Volcano Observatory - P.O. Box 318 - Flemmings – Montserrat
Tel : +1 (664) 491-5647 | Fax: +1 (664) 491-2423 | mvo@mvo.ms | www.mvo.ms

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Monitoring Data Summary

Seismic Activity (number of events)

	This week	Last week	Last 4 weeks (weekly average)
Rockfalls	5	0	0
VT earthquakes	4	1	1
Hybrid earthquakes	0	0	0
LP earthquakes	0	0	0

Sulphur Dioxide Flux (tonnes per day)

	This week	Last week	Last 4 weeks
Average	n/a	n/a	n/a
Maximum	n/a	n/a	n/a
Minimum	n/a	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.