

3 October 2014
9:00 am

MVO Weekly Report for the Period 26 September to 3 October 2014

Activity at the Soufrière Hills Volcano remains low.

The seismic network recorded one rockfall and five volcano-tectonic earthquakes this week.

Sulphur-dioxide measurements taken on five days during the reporting period gave an average flux of 263 tonnes/day with a maximum of 394 and a minimum of 142 tonnes/day. Variations in the dominant wind direction meant that the smell of volcanic gases was evident at times in inhabited areas on Saturday 27 September.

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 are frequently 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 access to Plymouth or the rest of Zone V. Maritime Zones E and W are daytime transit only between sunrise and sunset (boats may sail through the zone but must not stop).

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.

Roderick Stewart
Director

Seismic Activity (number of events)

	This week	Last week	Last 4 weeks (weekly average)
Rockfalls	1	3	1
VT earthquakes	5	5	6
Hybrid earthquakes	0	0	0
LP earthquakes	0	0	0

Sulphur Dioxide Flux (tonnes per day)

	This week	Last week	Last 4 weeks
Average	263	169	241
Maximum	394	254	476
Minimum	142	111	111

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