



# Montserrat Volcano Observatory

07 June 2024  
9:00 am

## MVO Weekly Report for the Period 31 May to 07 June 2024

Activity at the Soufrière Hills Volcano remains low.

The seismic network recorded 4 volcano tectonic earthquakes this week.

SO<sub>2</sub> flux measurements were taken from the helicopter on 05 and 06 June. The average flux values were 228 tonnes per day on 05 June from twelve traverses and 250 tonnes per day on the 06 June from eight 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](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, Instagram, and Twitter.

**Graham A. Ryan**  
Director

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### Monitoring Data Summary

#### Seismic Activity (number of events)

	This week	Last week	Last 4 weeks (weekly average)
Rockfalls	0	0	0
VT earthquakes	4	12	7
Hybrid earthquakes	0	0	0
LP earthquakes	0	0	0

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

	This week	Last week	Last 4 weeks
Average	239	170	240
Maximum	364	243	402
Minimum	122	107	149

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