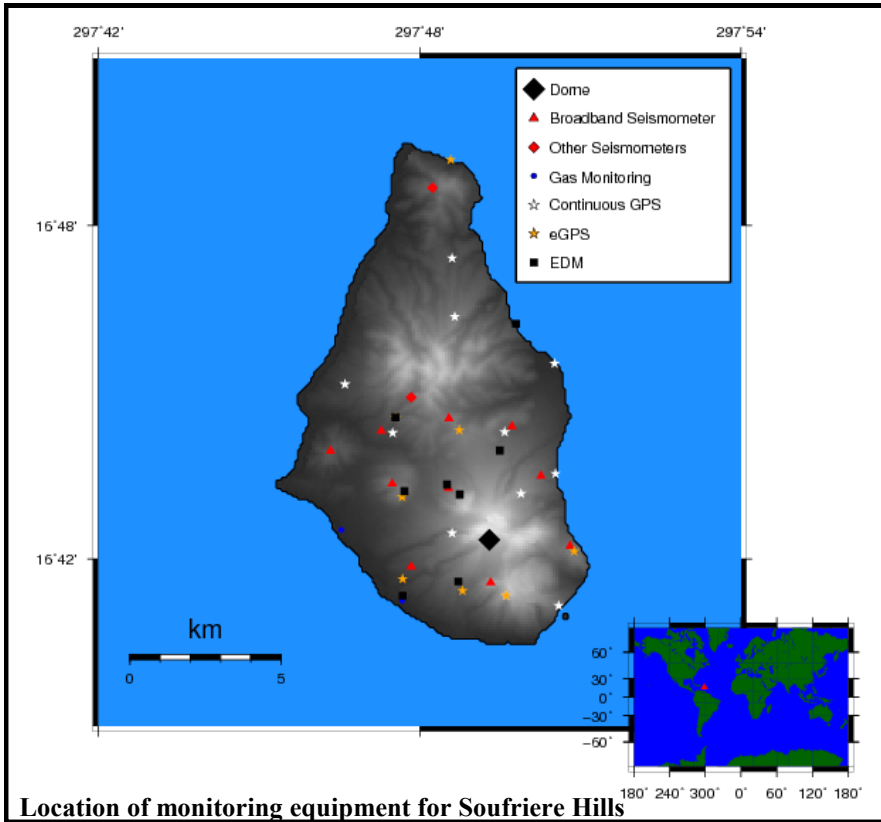


# WP 6: MONITORING CAPACITY AT TARGET VOLCANOES

## SOUFRIERE HILLS, MONTSERRAT



Location of monitoring equipment for Soufriere Hills

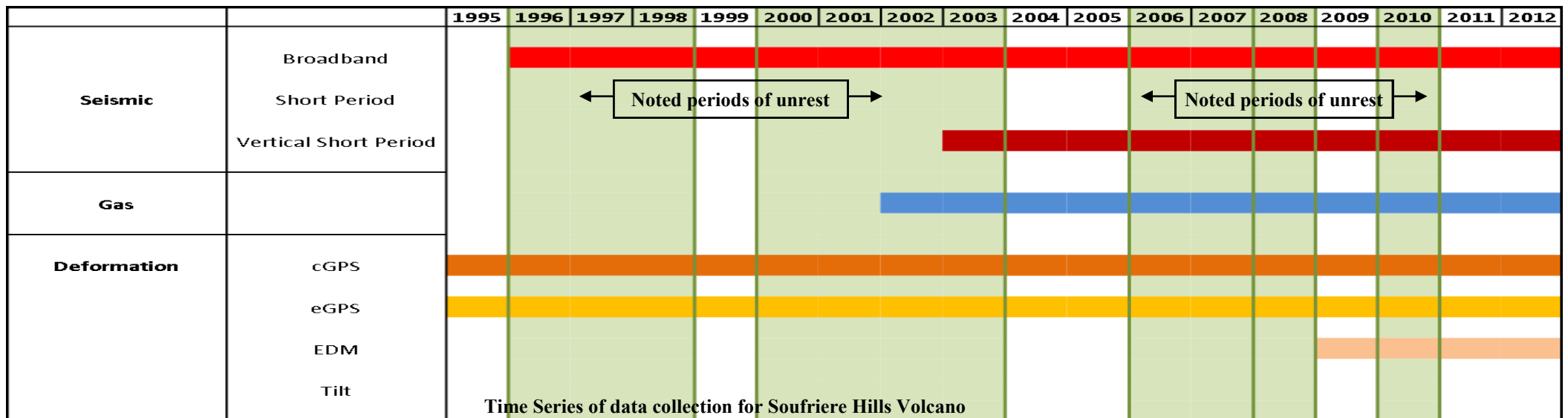
|                               | Montserrat   |
|-------------------------------|--|
| <b>Broadband Seismometers</b> | 10   |
| <b>Short Period Geophones</b> | 2  |
| <b>Gas monitoring</b>         | 4  |
| <b>EDM</b>                    | 8  |
| <b>Continuous GPS</b>         | 11   |
| <b>Campaign GPS</b>           | -  |
| <b>Other</b>                  | 12 eGPS<br>Remote Cameras<br>Thermal Cameras<br>Infrasound<br>Weather Stations<br>Diffusion Tubes (SO <sub>2</sub> ) |

Soufriere Hills volcano is a complex andesitic stratovolcano situated in the Lesser Antilles.

Non eruptive seismic swarms occurred at 30 year intervals during the 20th Century. The latest phase of eruption began in 1995, and activity consists of alteration between explosive activity and lava dome formation and destruction episodes.

The volcano is considered to be still active at the time of writing, with levels of seismicity and gas outputs fluctuating.

2/3 of the island is uninhabitable since the eruption began in 1995 due to dangers of pyroclastic flows and explosive events.



Time Series of data collection for Soufriere Hills Volcano