

Thank you very much for the very constructive comments, which will be will taken in account for the final version.

Please find below the responses to your comments:

In figures 6, 7, 11, 14, 15: the color mean the spectral levels in dB  $(\text{m/s})^2$  Rel  $1(\text{m/s})^2/\text{Hz}$ . This unit will be added to the color bars of these figures.

In figure 9, the contour lines represent the topography inside Fogo, particularly Chã das Caldeiras. The shoreline is already shown (0 m). We will enhance this in the caption.

Page 4999, L3 and L1: In the sentence “ there is no clear age progression with geographic location”, “ of the eruptive activity” is missing. The sentence will be changed to “ there is no clear age of the eruptive activity progression with geographic location”

Page 5002 in line 22 “extend” will be changed to “extent”.