Interactive comment on “A wireless sensor network for monitoring volcanic tremors” by R. Lopes Pereira et al.

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Received and published: 30 April 2014

1 - Why is there a requirement of a separate WSN network solely for monitoring volcanic activities? Are the satellites and modern weather stations not capable of doing this?

The goal of the WSN is not to compete with remote sensing solutions such as satellites. It aims to measure very small amplitude, low frequency ground motion that is not detectable by satellites. The WSN is to be used instead of current wired sensor arrays, mainly in temporary surveys, where it is much simpler and faster to install. It can also be very useful in determining the best location for a permanent installation due to its mobility. Its portability, flexibility and low cost enable its installation (temporary or permanent) in the many volcanoes that currently lack monitoring.

2 - In Introduction last paragraph on pp 4308, mention about the contents of Section 4

Included Section 4 on the document structure outline.

3 - What is RTS/CTS mentioned in line 25 pp 4318? The acronym was expanded in the revised document. RTS/CTS (Request to Send / Clear to Send) is the optional mechanism used by the 802.11 wireless networking protocol to reduce frame collisions

4 - Figure 5 in line 3 pp 4319 should be Fig. 5 Corrected in the revised document.

5 - What is ACK mentioned in line 5 pp 4319? The acronym was expanded in the revised document. ACK stands for acknowledgement.

6 - What is DIFS mentioned in line 10 pp 4319? The acronym was expanded in the revised document. DIFS stands for Distributed Coordination Function Interframe Space.

7 - Figure 7b in line 14 pp 4322 should be Fig. 7b Corrected in the revised document.

8 - No mention of Fig. 8 in the text Figure 8 is mentioned in the revised document

10 - Figure 13 in line 5 pp 4329 should be Fig. 13 Corrected in the revised document.

11 - Figure 14 in line 15 pp 4329 should be Fig. 14 Corrected in the revised document.

12 - Figure 15 in line 1 pp 4330 should be Fig. 15 Corrected in the revised document.

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., 1, 4305, 2013.