Change title to 'UAV survey method to monitor and analyze geological hazards: ….. '
Line 13: Change in 'of geological hazards'.
Line 14: Remove 'and monitoring'.
Line 20: Structure from Motion (SfM). Correct this also in the other parts of the manuscript.
Line 25: Softwares.
Lines 27-30: Citations should be ordered by year of publication.
Line 35: Add papers from Bonali et al. which are based on Structure from Motion techniques and drone surveys applied to active volcanic areas.
Line 43: Remove 'in'.
Line 47: What do you mean by high 'temporal resolutions'? Please detail better.
Line: 'to georeference'.
Line 55: in other parts of the manuscript, you speak about DEMs, not DSMs. Please make the text more homogeneous.
Line 72: Fold and thrust belt. Correct also in 'gradually deformed'. Remove 'and moved'.
Line 74: they 'represent' a preferential way.
Line 94: 'outside the volcano area'.
Line 96: Why are you supposing that these structures are active? Please specify.
Line 104: 'in particular ensuring i)…..'
Line 119: '0.016 m'.
Line 121: 'to compute'.
Line 123: '0.024 m'.
Line 131: 'GCPs'.
Line 142: The sentence is not clear, please rephrase.
Line 144: Please rephrase.
Line 156: Please specify the acronym 'TST'.
Line 158: Remove the comma after 'network'. Also 'Fig. 5A'. Same in line 161 '(Fig. 5B)'.
Line 161: What do you mean by 'verticality'? What is a bubble level?
Line 166: The sentence is not clear, please rephrase.
Line 170: Change 'we have done' in 'we performed'. Also, what do you mean by 'compared with the SfM software data'?
Line 175: Remove 'during'.
Line 186: 'Nadir'.
Line 190: '2.4 Data processing through Structure from Motion (SfM) techniques'.
Line 192: 'Steps of the processing chain regarding Tie Point Accuracy and Marker Accuracy have been performed according to James et al. (2017) (Fig.6)'.
Line 196: we modified 'some' parameters.
Lines 195-200: These sentences can be improved.
Line 206: Remove the comma after James.
Line 229: is usually detected from 'sparse point clouds'.
Line 233: Dense point cloud. Also, 'is the most suitable'.
Line 235: Dense point clouds. Also in line 243.
Lines 250-252: Remove the space between 10 and A,B,C. Same in all text.
Line 253: 'which exceed'.
Line 267: 'of the measurements'.
Line 276: '3. Results'.
Line 277: 'As shown in section 2.2, using a percentage of GCPs…'.
Line 278: 'GCPs'.
Line 279: 'When the threshold of 60% is exceeded,…'

Line 315: 'on the whole mud volcano area'.

Line 316: 'In order to visualize important deformations….'

Line 345: 'Figure'. Same in line 346.

Line 360: Change 'questions' in 'issues'.

Line 366: 'the second aspect to be considered is the evaluation….'.

Line 371: What do you mean by 'volcano shell'?

Line 375: 'at least of…'.

Line 398: 'In hazards management,…'. Remove comma after 'technique'.

Line 403: 'can occur up to one year before…'.

Line 415: 'in the case of anomalous values detected, the monitoring campaigns must be improved'.

Figure 1: Add a scale and an orientation to the figure.

Figure 2: North and scale are missing.

Figure 3: Correct 'local' in the legend.

Figure 6: Correct 'Adjustment' and 'Reconstruction'. In Step 3, the white box is missing the word 'Point' in 'Build Dense Cloud'. Also, specify the acronym DEM.

Figure 17: in the legends, correct 'Area', sometimes written as 'areae'.