

Interactive comment on “Rainfall and rockfalls in the Canary Islands: assessing a seasonal link” by Massimo Melillo et al.

Anonymous Referee #2

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This manuscript applies the ED rainfall threshold on rockfall and discusses the link between the change of seasonal rainfall amount and the occurrence of rockfall through great amounts of rockfall cases and rainfall data. The contents, figures, tables are all well-organized. The results also provide a new insight for the early warning of rockfall. Here are some suggestions for the authors that may take into account.

1. Since there are lots of rockfall records in GC and TEN, is it possible to discuss the influence of geology and geomorphology on rainfall threshold? Besides, the relationship between the volume of rockfall and the cumulated event rainfall may also be discussed.
2. [Section 2.2, Line 128~130] Comparing to the last paragraph in section 2.1, the information of average annual rainfall in TEN is missed.

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3. [Figure 4 & Line 227] There are 29 cases with hourly rainfall data in GC, but they are not analyzed in Figure 4 c and d. Too less to be analyzed?

4. It is suggested to add some representative pictures of these rockfalls in order to make readers understand the environment of study area more.

Minor issues:

[Line 219~220] “light green dots in Fig. 2” These are no green dots in Figure 2. Is it Figure 4?

[Figure 2 and Figure 3] The Y-axis of Fig. 2 c, d and Fig. 3 d, e, f should be “Rockfall” instead of “Rock fall.”

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