

Interactive comment on “Reconstruction of track and simulation of storm surge associated with the calamitous typhoon affecting the Pearl River Estuary in September 1874” by Hing Yim Mok et al.

Anonymous Referee #2

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[Evaluation] This manuscript presents very interesting research on reconstruction of storm surge which derives devastating casualties in the related regions. The methods used are appropriate and the conclusions derived from these and the interpretations are consistent and sound. I believe the paper will be of interest to the readership of this journal and would recommend it for acceptance after the minor revisions. I look forward to seeing it in print.

[Comment] I understand that the reconstructions of natural phenomena in historical time are very difficult because the information is very limited. However, I concern that reconstructed storm surge in this paper are derived from estimated typhoon track.

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So I would like to strongly recommend that the authors give more explanations about “reliability” of reduplication of reconstructions.

[Minor comment] Page 2, line 30-44: Please state criteria of typhoon, Super Typhoon and Severe Typhoon, because typhoon criteria may differ in several countries.

Figure 5: This figure will be better to be understood especially for readers outside of the region if topographical information in Macau is added.

Figure 5, 8, 9: In Figure captions, please provide detail explanations what colors of the lines mean.

Interactive comment on Clim. Past Discuss., <https://doi.org/10.5194/cp-2019-36>, 2019.

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