

Interactive comment on “Brief communication: Hurricane Dorian: automated near-real-time mapping of the “unprecedented” flooding on the Bahamas using SAR” by Diego Cerrai et al.

Guy J.-P. Schumann (Referee)

gjpschumann@gmail.com

Received and published: 22 December 2019

First of all, sorry I am a bit late with this and I hope my comments are still useful. I think they have also been highlighted in part and in other words by the other reviewer and the authors already posted some comments.

The case study presented is interesting but what is lacking is some detail on the actual data processed, some kind of validation (although difficult here) but then some cross-validation at least with other available maps processed either from the same Sentinel-1 by other organizations or maps processed from other EO imagery.

C1

It would also be useful to put the processing and used processing chain in context with other fully automated methods used - there are now many of those, for example HASARD by LIST or the chain used at DLR ZKI or indeed maps from the Dartmouth Flood Observatory. Such maps can then also be used to cross-validate and get a good idea about the sensitivity/uncertainty in the presented flood maps.

I am not sure about the nature and scope of brief communications in NHESS but at this point the presented paper reads like a story or account of the event rather than a brief communication of science and assessment of results.

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., <https://doi.org/10.5194/nhess-2019-312>, 2019.

C2