

## ***Interactive comment on “Impacts of storm chronology on the morphological changes of the Formby beach and dune system, UK” by P. Dissanayake et al.***

**Anonymous Referee #1**

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The updated version of the manuscript is substantially improved hence I am happy to propose it for final publication. All the initial comments were adequately answered and the emphasis added to the ridge and runnel increases the value of the paper.

For completion I have some specific comment/suggestions that in my opinion will be useful.

1. In Section 1 (page 2567) a statement is given about the destruction of sand dune with no reference. A different statement follows with the reference (Gomez-Pina 2002) but it is not clear if the same reference is for both statements.

C693

2. A comparison of the ridge-runnel results with other published literature will be useful. In particular the paper of Pedreros et al 1996 field results for the storm behavior of a similar system. Pedreros, R., Howa, H.L. and Michel, D., 1996. Application of grain size trend analysis for the determination of sediment transport pathways in intertidal areas. *Marine Geology*, 135(1-4): 35-49.

3. The same can be interesting for the erosion case comparing the results with those of Voudoukas et al 2012.

4. In general the different volumes and accumulated erosion values are small and differences are not easy to be spotted in Figure 5, 7 and 8. Maybe plotting of differences from the storm cluster 1 will highlight better the result.

Finally on some technical issues :

Page 2580 last sentence of section 5.3 is not clear please rephrase

References of Gomez-Pina 2002 and Tatu et al 2014 are not in the reference list, please add.

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C694