

Interactive comment on “Uncertainties in shoreline position analysis: the role of run-up and tide in a gentle slope beach” by Giorgio Manno et al.

Anonymous Referee #2

Received and published: 27 June 2017

Dear Editor I have carefully read the manuscript and I have general comments, specific comments and technical corrections.

General comments

This is an interesting research paper of wide interest because accuracy in determination of shoreline evolution is an issue of basic interest. The work is based on very different techniques as detailed field observations and measurements, use of aerial photographs and mathematical models.

Specific comments Pag. 4, I noticed this affirmation: Note that the offshore wave parameters were the only source in the propagation model SWAN, and wind, bottom

Printer-friendly version

Discussion paper



suggest: ...”destruction of dunes and their associated natural supply. ...” Pag. 5, Figure 1: I suggest: ...”Mazzara del Vallo buoy, related to. ...” Pag. 5, line 6, I suggest, but not sure....”details of expected results”. Pag. 5, line 7, I suggest to say:.....”....by Holman and Sallenger (1985), and this is the case of this paper. Based on a high.” Pag. 6, line 16, ...”from the buoy...” Pag. 7, line 6,to the field measurements and, for this reason, ...” Pag. 7, line 10, I suggest: Five orthorectified aerial images were used to assess time variations of the shoreline position during the 1994–2007 time span (Table 2).

Pag. 7, line 10, say: ..ground control points. . . Pag. 7, lines 14-15, this is not clear: For each of the five aerial surveys, an offshore wave condition was obtained by processing the measurements of the Mazara del Vallo buoy (Fig. 4) taken during the time period of the survey (Table 4).

I suggest: In order to reconstruct waves conditions at the day the aerial photos were made, data recorded from the Mazzara del Vallo buoy were analysed.

Pag. 10, is table 5? Pag. 11, Fig. 4, the letter “b” is missing. Pag. 15, line 13, ...I suggest. ...”line estimation”. . .and: . . .”in situ run-up. . .”

Interactive comment on Ocean Sci. Discuss., <https://doi.org/10.5194/os-2017-18>, 2017.

Printer-friendly version

Discussion paper

