Ocean Science

Discussions

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Interactive comment on "A monthly tidal envelope classification approach for semi-diurnal regimes with variability in S_2 and N_2 tidal amplitude ratios" *by* Do-Seong Byun and Deirdre E. Hart

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Place names: There is some inconsistency in the place names used in the paper. For example, Cook Strait is referred to as 'Cook Strait' (line 73 and others) and 'Te Moana-o-Raukawa Cook Strait' (line 70 and Figure 2). Lines 60 and 61 give both alternative names for the North Island and South Island. The English and MaÅ■ri names are alternatives; it is not necessary to use both - choose one form and use it consistently. The official name for Stewart Island is 'Stewart Island / Rakiura', not 'Rakiura or Stewart Island' as shown in line 61. It is recommended that place names used are as shown in the NZ Place Names Gazetteer. Cook Strait is just 'Cook Strait' (not an official names

but a recorded one), 'Castle Point' (line 117) is 'Castlepoint' (official). 'Aotearoa New Zealand' has been used for the name of the country (and abbreviated to ANZ) but until an Act of Parliament is passed the country is 'New Zealand'.

Line 82: It would be helpful to point out that the results of the analysis of the records from the additional 33 locations are presented in Figure 6, and a sentence or two summarising those results would be appropriate.

Line 83: What does 'reach the strongest' mean?

Line 93 and 94: The text here states that Figures 3 and 4 map the constituent amplitudes and ratios listed in Table 1, but surely the figures are derived from the FES2014 model as stated in the captions for Figures 3 and 4.

Line 117: Castlepoint is on the east coast of the North Island.

Line 125: What does 'combined variability' mean? The rest of this sentence is difficult to follow - a diagram might help?

Figure 2: Castlepoint is shown out of its true position.

Interactive comment on Ocean Sci. Discuss., https://doi.org/10.5194/os-2019-122, 2019.