

The authors have clearly improved the manuscript and made it really clearer. It is suitable for publication, with minor revisions :

**We thank the reviewers for his/her careful read of our manuscript and for thinking our manuscript is suitable for publication after minor revisions. Please see our responses below and our changes in the manuscript (in red).**

- 1) Line 380 : M4 is a non linear interaction tidal component, please replace « all linear interactions » by « all non linear interactions ».

**→ This is now changed in the manuscript line 382.**

- 2) Fig. 2 : the legend could specify the tidal regimes « Map of tidal form factor  $F$  computed with the amplitudes of tidal waves O1, K1, M2 and S2 obtained from FES2014b-with-assimilation.  $0 < F < 0.25$  corresponds to semi-diurnal regime,  $0.25 < F < 1.5$  mixed primarily semi-diurnal,  $1.5 < F < 3$  mixed primarily diurnal and  $F > 3$  diurnal regime ».

**→ The legend of Fig. 2 is now changed accordingly.**

- 3) Comme on Fig. 5-8 a : it would have been more valuable to plot a coloured for each tide gauge, the colour corresponding to the amplitude of the harmonic component (see previous comment « on Figure 6 authors could add dots at tide gauges locations coloured with corresponding M2 amplitudes »).

**We apologize for missing this comment in the previous reviewer's comments.**

**→ Following his/her suggestion, we have added coloured circles to Figs. 5-8 a ; the colour corresponding to the amplitude of the tidal harmonic measured at each gauge station.**