Erratum to: Controls on monthly estuarine residuals: Eulerian circulation and elevation

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Brown et al. (2014) presented model simulations to identify the contribution of waves, tide, local meteorology, baroclinicity and external circulation to the residual circulation during a calm current-dominant period in Liverpool Bay. This period considers 15 days from the 6th – 21st February 2008, when wave heights were observed to be less than 0.7 m. This corrigendum is to correct Figure 6 published in Brown et al. (2014) following the recognition that Figure 7 had been duplicated. The correct Figure 6, as described in the full manuscript, is presented here. These results are for the Welsh Channel of the Dee Estuary that is dominated by hypertidal barotropic conditions. The clear dominance of the tide in creating a 2-layer horizontally sheared residual circulation is shown, while baroclinicity induced by the weak river flow has secondary importance.

Fig. 6 The along-channel residual circulation component in the Welsh Channel, generated by the following modelled process for the calm period: all (a, b), local meteorology (c, d), baroclinicity (e, f), waves (g, h) for consistency with the later figures, external residuals (i, j) and tides (k, l). The residual is defined as the time-averaged current over the calm study period 00:00 6th February to 23:00 20th February and is shown for the cross- (left) and along-channel (right) transects. Positive colours represent seaward flow, and the black contour represents zero flow. The plus sign at the bottom of each panel axis shows the point of intersection of the along- and cross-channel transects

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