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**Figure S5**. Plot of mean velocity estimates (m/day) of the Solheimajoküll (y-axis) and water level (cm) of the Jökulsá á Sólheimasandi river (x-axis) for 2016, 2017 and 2018. For the sake of clarity, velocity estimates are plotted by months and separated in three different charts -A) winter background velocity; B) acceleration; C) deceleration- based on the most typical fluvial trends of Jökulsá á Sólheimasandi across the year.