









danych wodowskazowych, jednak zasięg przestrzenny danych SWOT stwarza możliwości dalszych badań, szczególnie na węższych, pozbawionych posterunków pomiarowych rzekach.















































is visible, for example, for the Smolice or Warszawa Bulwary gauges on the Vistula river (Figure 4a,b), resulting in lower correlation for some reaches. Outliers are also present in SWOT measurements, for example, for the Warszawa-Bulwary (Figure 4b), Strzyżów (Figure 7a) or Działoszyn (Figure 6a) gauges. These outliers impact RMSE and WRMSE values, which is especially visible for the Strzyżów gauge (Figure 7a), where the values of these metrics were the highest and even after the bias correction in the WSE measurements, the bias is still visible. Some reaches also had relatively fewer SWOT observations, due to being overlapped by a lower number of SWOT orbits. That is the case for the reaches corresponding to Tczew (Figure 4c), Gorzów Wielkopolski (Figure 6c) and Wyszaków gauges (Figure 7c). Comparison of WSE measurements between SWOT and all the gauges is presented in Figures 4 to 8.























































