Figure S1 Dates of reading of groundwater head of the selection of the 141 groundwater head series before interpolation. The red dates left of the solid grey line show the quasi-weekly measurement dates which are used for the groundwater head series after linear interpolation.
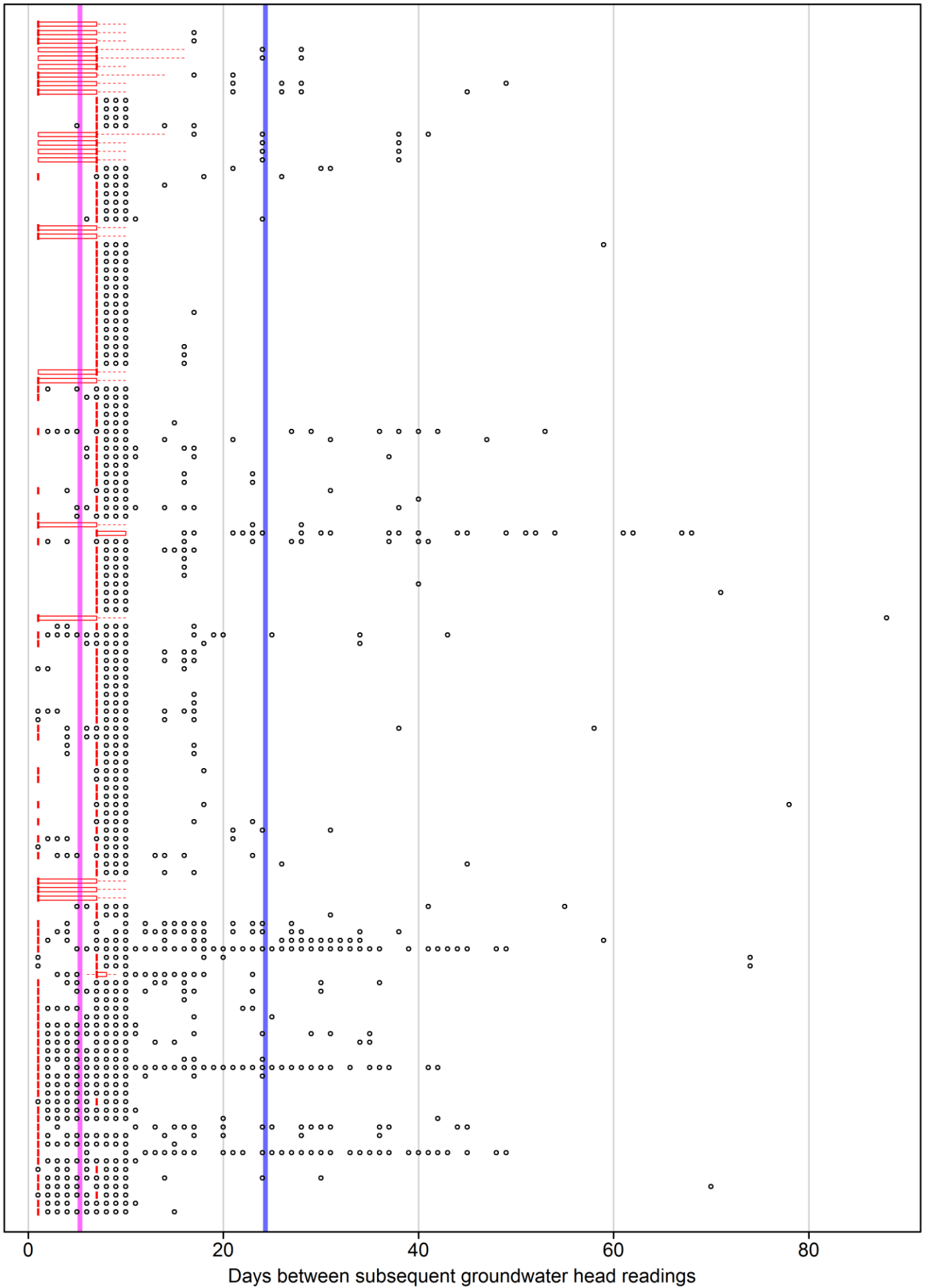
Figure S2 Red: Boxplots of the number of days between subsequent readings in the 141 observed groundwater head series before the interpolation. Black circles: Outliers. Blue solid line: mean of the maxima of measurement intervals of all series. Magenta solid line: mean of the mean of measurement intervals of all series.