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*Supplement of*

## **Efficient screening of groundwater head monitoring data for anthropogenic effects and measurement errors**

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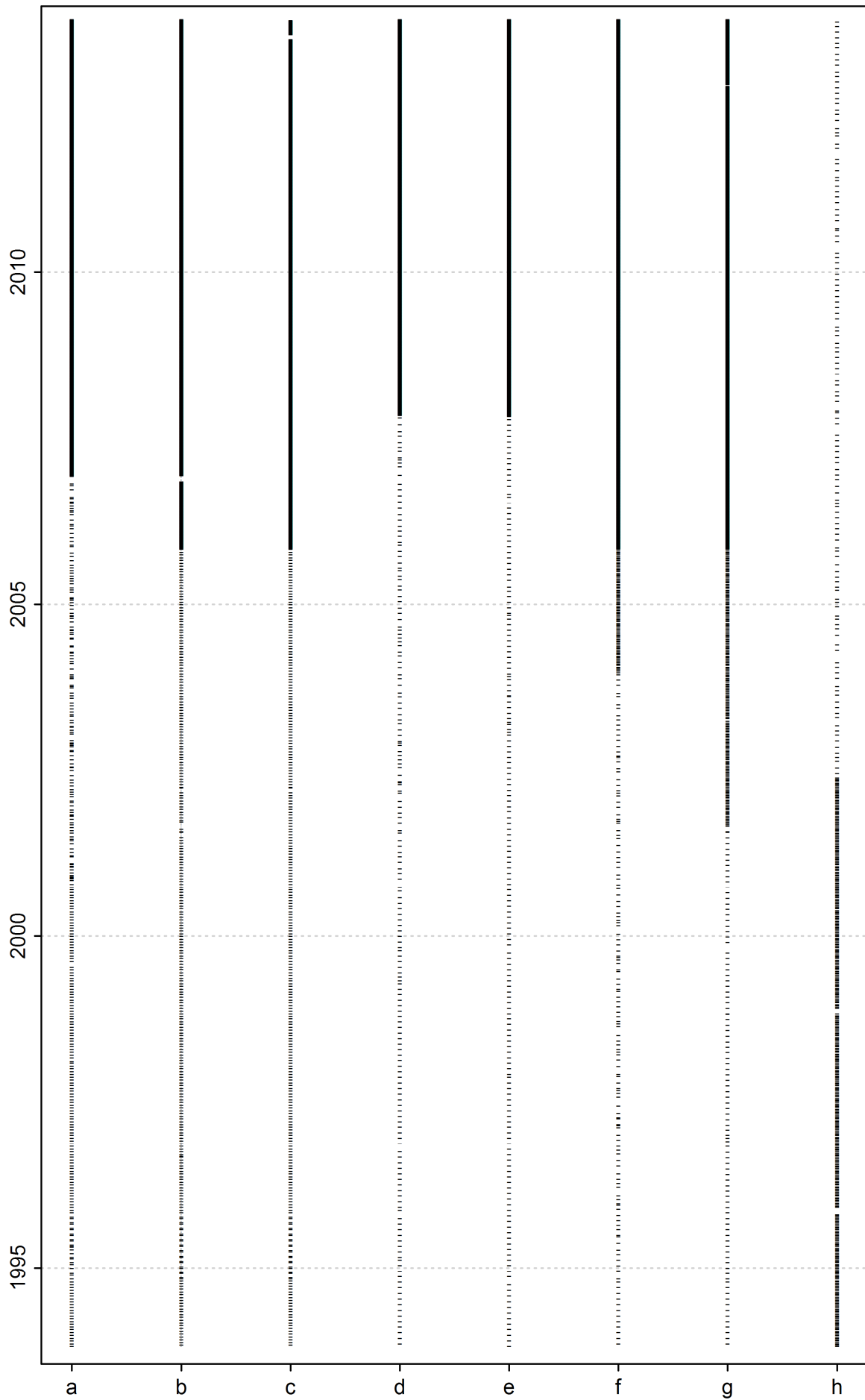


Figure S1 Dates of reading of groundwater head of the eight series which exhibited marked deviations from the quasi-weekly reading interval. Daily reading intervals appear as black solid line.

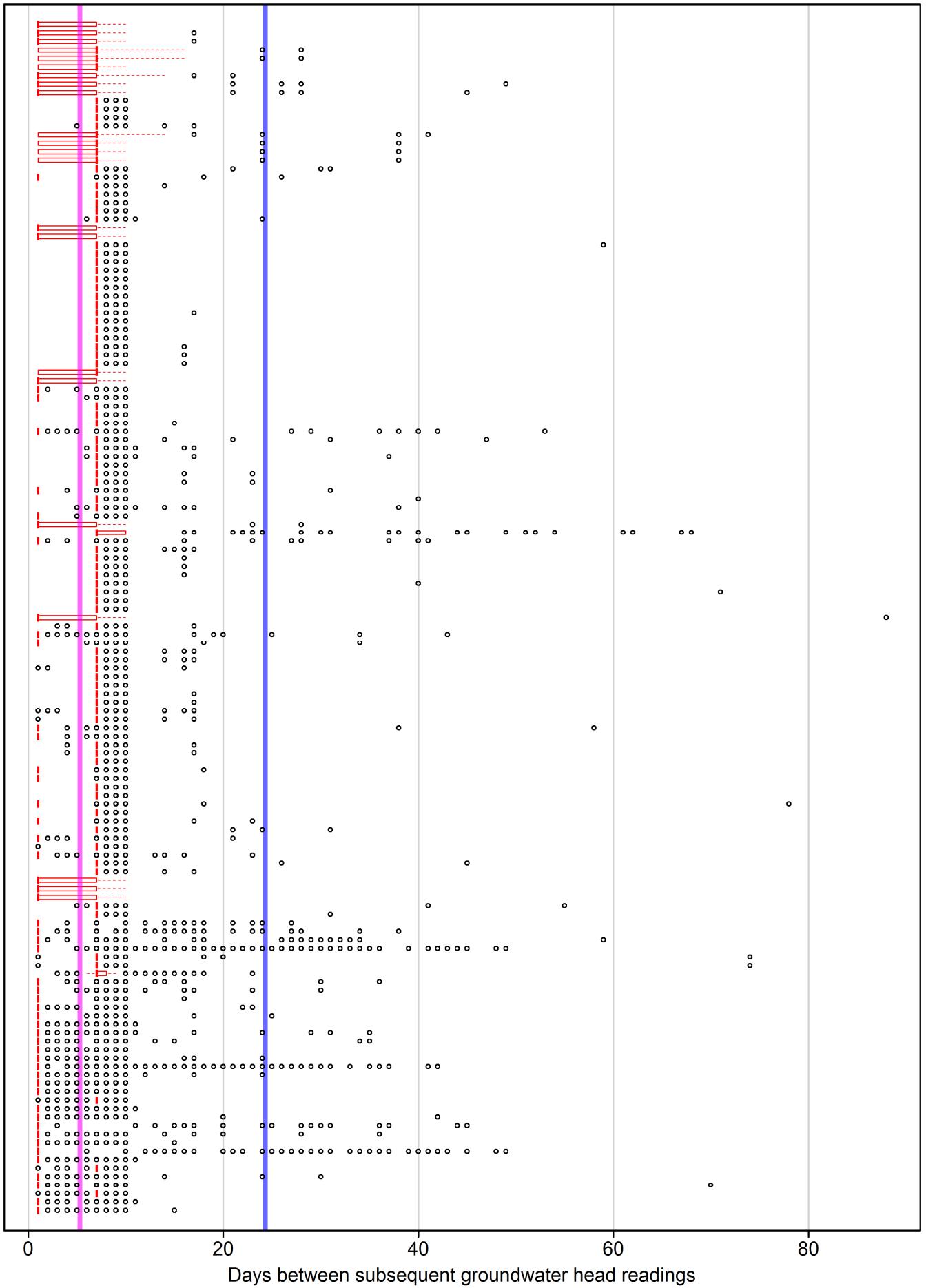


Figure S2 Red: Boxplots of the number of days between subsequent readings in the 141 observed groundwater head series before the interpolation. Black circles: Outliers. Blue solid line: mean of the maxima of measurement intervals of all series. Magenta solid line: mean of the mean of measurement intervals of all series.