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Supplement of

A hybrid data-driven approach to analyze the drivers of lake level dynamics

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Supplementary figures

Supplementary Figure S1: *Lake level data timeseries with different filtering conditions. Original data is the raw dataset used. The noise-removed data is created using a lowpass filter, with a 20 days cutoff frequency. The annual signal removed curve is created by a bandstop filter with a filtering window around 365 days. All filtering was done using the Butterworth filter implementation of the scipy python package.*

Supplementary Figure S2: *MODIS net evapotranspiration data integrated for the Groß Glienicker lake catchment. ET is the catchment average of the MODIS MOD16A2 Version 6 total evapotranspiration product, with units of* kg/m²/8day.