

*Water Resources Research*

Supporting Information for

**Signatures of Hydrologic Function and Coevolution Across the Critical Zone Observatory Network**

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Tables S1 to S4

**Introduction**

Tables S1 to S4 are referred to in the main text in section 4.1 Data and Methods. These tables contain lists of data sets used in this synthesis study, as well as salient meta data. Critically, Tables S1 to S4 also provide acknowledgement and citation for each of the data sets used. The bibliography within this document provides full citations for each data resource.

Tables S1 to S4 are contained in a single Microsoft Excel Workbook as four individual sheets, titled Table S1, Table S2, Table S3, and Table S4.

Table S1 Caption

Stream gage information for each of the 15 basins considered in this study. For each gage, the latitude, longitude, elevation and contributing area (catchment area) are provided. Additionally, the start and end years of the streamflow record, the time step of the observations, and the gage instrumentation specifications are provided. Finally, credit/acknowledgement for each streamflow dataset is provided. Detailed references for each citation are provided in the Bibliography of this Supporting Information document.

Table S2 Caption

Precipitation data information for each of the 15 basins considered in this study. For each precipitation gage, the latitude, longitude, elevation and instrumentation specifications are provided. Additionally, the start and end years of the precipitation record are provided. Credit/acknowledgement for each precipitation dataset is provided. Finally, this table provides a brief description of how individual gage observations were synthesized to estimate basin-wide daily precipitation. Detailed references for each citation are provided in the Bibliography of this Supporting Information document.

Table S3 Caption

Snow data information for several basins where some of the annual precipitation falls as snow. For each snow pillow or snow depth gage, the latitude, longitude, elevation are provided. Additionally, the start and end years of the data record are provided. Credit/acknowledgement for each snow dataset is provided. This table also provides a brief description of how individual snow data sets were synthesized to estimate basin-wide daily SWE using the SNOW17 model. Model parameters are also provided. Detailed references for each citation are provided in the Bibliography of this Supporting Information document.

Table S4 Caption

Topography data information for each of the sites considered in this study. Topographic data sets and their spatial resolution, plus credit/acknowledgement for dataset is provided. Detailed references for each citation are provided in the Bibliography of this Supporting Information document.

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