

**Leaf Wax Hydrogen Isotopes as a Hydroclimate Proxy in the Tropical Pacific**

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**Additional Supporting Information (Files uploaded separately)**

Captions for Datasets S1

**Data Set S1.** Individual lipid  $\delta^2\text{H}$  values for all compounds measured from each site. Standard deviations are reported when multiple core top samples were analyzed from the same site. Analytical uncertainty for  $\delta^2\text{H}$  measurements is 4‰. Dinosterol  $\delta^2\text{H}$  values were previously published by Maloney et al. (2019). All other values will also be included in the final version of the data set for this paper and available in the ETH data repository (doi: 10.3929/ethz-b-000412154).