Water, Energy, and Carbon with Artificial Neural Networks (WECANN): A statistically-based estimate of global surface turbulent fluxes using solar-induced fluorescence

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Supplementary Material
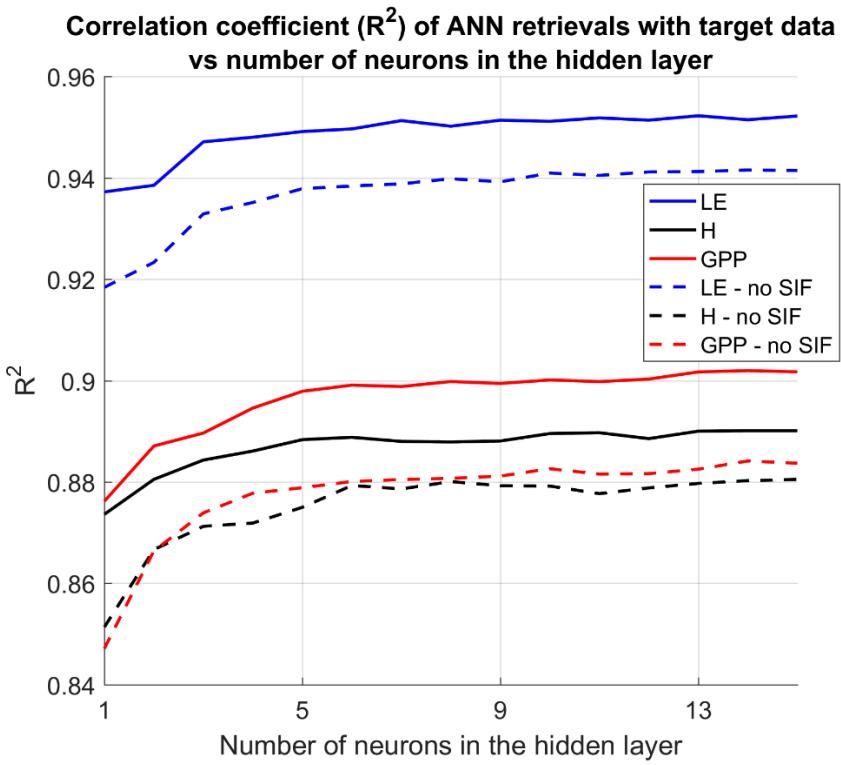
Figure S1: Correlation coefficients (R^2) between ANN retrievals of LE, H, and GPP and target data as a function of number of neurons in hidden layer. Solid lines show R^2 for retrievals that include SIF as an input in ANN, and dashed lines show R^2 for retrievals without SIF as an input.
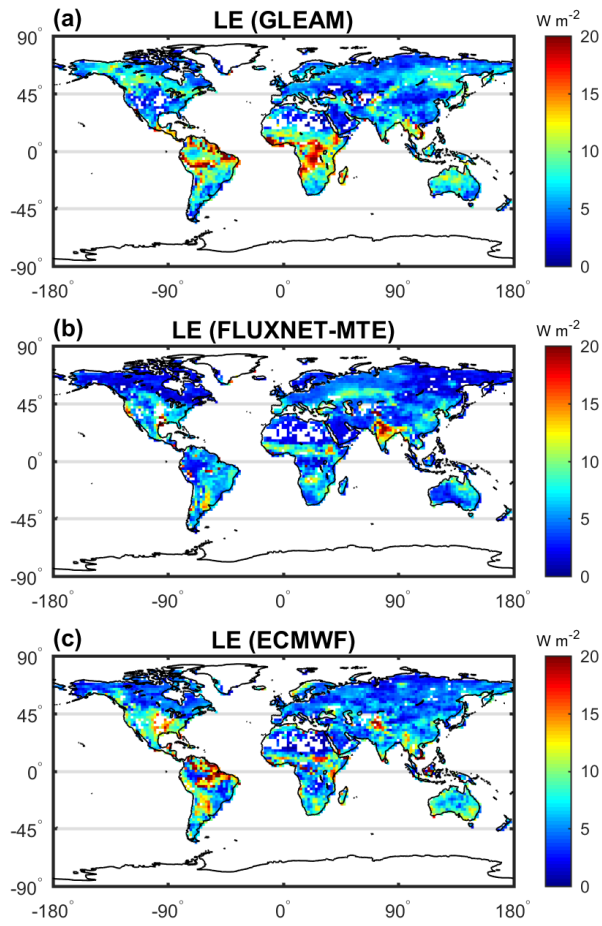
Figure S2: RMSE of LE for each of the three training datasets estimated by Triple Collocation (2008-2010).
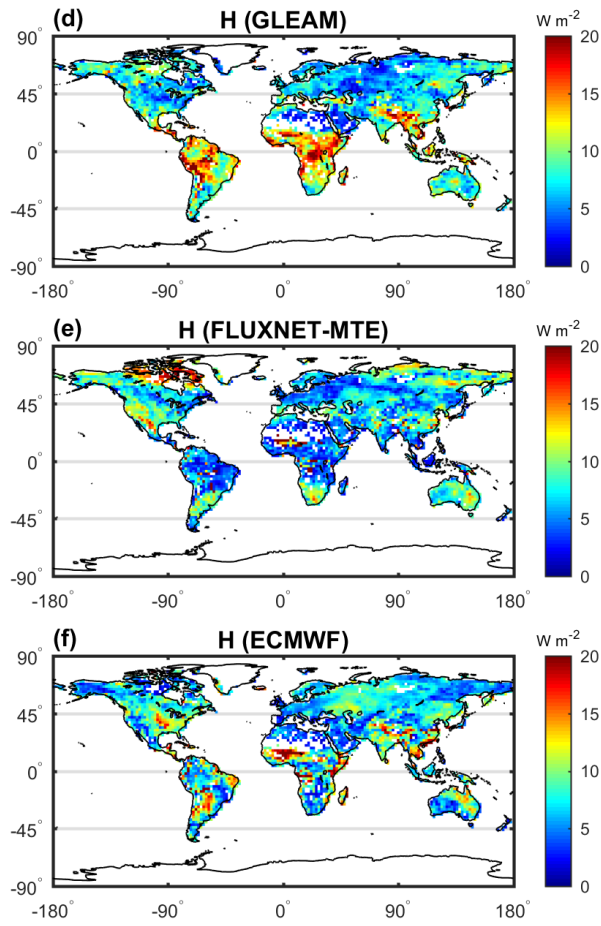
Figure S3: Similar to Figure S1 for H.
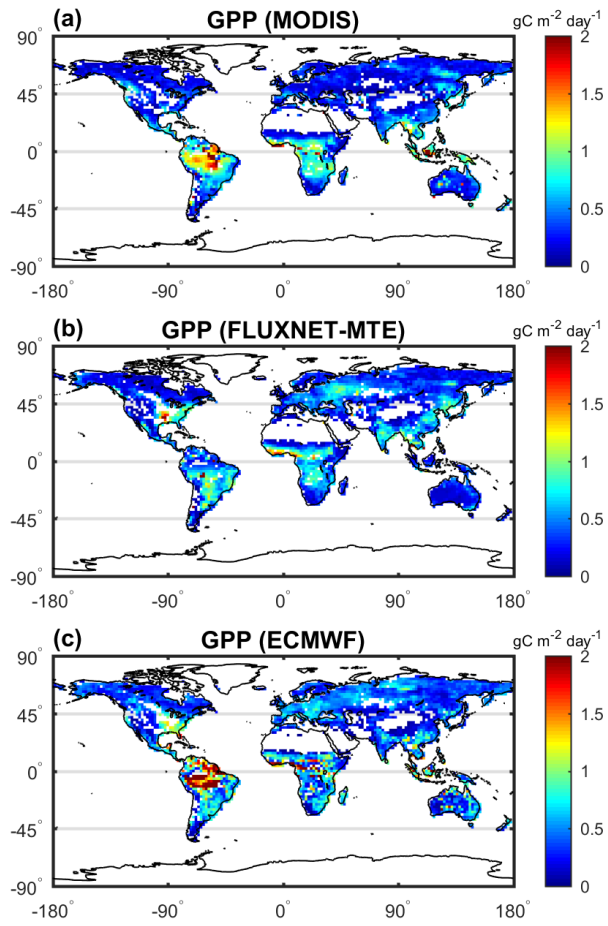
Figure S4: Similar to Figure S1 for GPP.