

Table S1. Performance of the Bowen ratio correction method for the convective fluxes.

Year	EBC		Residual (W m^{-2})		RMSE (W m^{-2})		MAE (W m^{-2})	
	Raw	Corr	Raw	Corr	Raw	Corr	Raw	Corr
2008	0.67	0.98	69.7	4.2	48.9	14.2	43.8	6.5
2010	0.61	0.99	61.8	4.3	72.4	13.6	66.1	6.7
2012	0.66	0.96	57.3	7.8	58.1	24.9	60.6	11.4
2014	0.60	0.94	28.2	7.0	63.9	35.3	66.5	14.3
2015	0.78	0.95	21.6	9.5	60.5	22.7	58.6	13.2

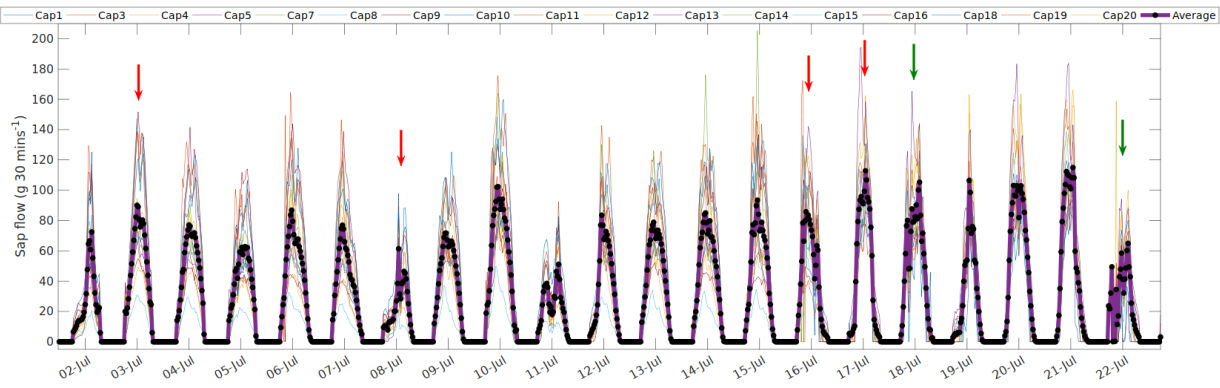


Figure S1. Diurnal course of sap flow rate from July 02 to July 22. The solid purple line with black circles is the average measurement of these captors. The red and green arrows signify irrigation and rainfall events respectively.