Table S9. Analysis of Variance table of type 3 with Satterthwaite approximation for degrees of freedom of the linear mixed effects models for the Evapotranspiration (ET), Evaporation (E) and community transpiration (T) parameters as a function of exploratory, management intensity, treatment (precipitation reduction) and the interaction treatment management for the campaign late summer 2013. In late summer 2013 at beech unmanaged and at the beech managed stand we could not measure the transpiration rates because the device was broken. Stand Schorfheide beech unmanaged had no understory vegetation. Thus we could not test for exploratory and management effects.

Late Summer 2013	**ET**				**E**			**Ts**		
Fixed factors	Num df	den DF[b]	F-value or z - score	p[a]	den DF[b]	F-value or z - score	p[a]	den DF[b]	F-value or z - score	p[a]
exploratory	2	0	1.271	NA	0	1.289	NA	0	1.351	NA
management	2	0	0.973	NA	0	1.211	NA	0	0.772	NA
treatment	1	39	8.320	**0.006**	25	1.114	0.298	38	9.819	**0.003**
management * treatment	2	39	1.242	0.300	25	1.110	0.340	38	7.397	**0.002**
cm_r - cm_c[c,d]									-5.23	**<.001**
bm_c - cm_c									-1.91	0.852
bm_r - cm_c									-2.09	0.544
bu_c - cm_c									-1.10	1.000
bu_r - cm_c									-1.14	1.000
bm_c - cm_r									-0.34	1.000
bm_r - cm_r									-0.53	1.000
bu_c - cm_r									0.084	1.000
bu_r - cm_r									0.045	1.000
bm_r - bm_c									-0.74	1.000
bu_c - bm_c									0.343	1.000
bu_r - bm_c									0.303	1.000
bu_c - bm_r									0.484	1.000
bu_r - bm_r									0.444	1.000
bu_r - bu_c									-0.13	1.000

[a] Significant probabilities (< 0.05) are shown in bold.

[b] denDF is the number of degrees of freedom associated with the model errors.

[c] Thus, since tested parameters were affected by an interaction of management and treatment, post-hoc tests were applied for treatment within management and not for management and treatment alone.

[d] cm = intensive conifer managed, bm = beech managed, bu = beech unmanaged, r = precipitation reduction subplot, c = control subplot