

Supplement of Biogeosciences, 12, 373–385, 2015
<http://www.biogeosciences.net/12/373/2015/>
doi:10.5194/bg-12-373-2015-supplement
© Author(s) 2015. CC Attribution 3.0 License.



Supplement of

Coincidences of climate extremes and anomalous vegetation responses: comparing tree ring patterns to simulated productivity

A. Rammig et al.

Correspondence to: A. Rammig (anja.rammig@pik-potsdam.de)

Supplementary Table S1: Given is the number of coincidences of TRW and simulated NPP values with P, T and combined P & T extremes (column 2-4), and the proportion of extremes in relation to the sum of all coinciding extremes¹ (column 5-7). Given are the results for all coinciding extremes (line 4-6), and for the z-scored TRW and simulated NPP values below one (line 8-10) and two (line 12-14) standard deviations (see also Figure 2). The results for simulated NPP are given for the TRW sites (NPP_{site}, N=606 TRW sites x 110 years=66660) and for all simulated grid cells (NPP_{all}, N=46032 grid cells x 110 years=5063520).

	Number of coinciding extremes			Proportion of coinciding extremes (%)		
	TRW	NPP _{site}	NPP _{all}	TRW	NPP _{site}	NPP _{all}
All						
P	276	922	50847	34%	62%	62%
T	229	162	10457	28%	11%	13%
P & T	310	407	20405	38%	27%	25%
Below 1 σ						
P	276	829	49356	34%	56%	60%
T	229	153	10143	28%	10%	12%
P & T	310	406	19909	38%	27%	24%
Below 2 σ						
P	70	302	18140	9%	20%	22%
T	50	45	2419	6%	3%	3%
P & T	107	161	10011	13%	11%	12%

¹N, sum of coinciding extremes for TRW=815, NPP_{site}=1491, NPP_{all} = 81709.