



Supplement of

Multifractal behaviour of the soil water content of a vineyard in northwest Spain during two growing seasons

José Manuel Mirás-Avalos et al.

Correspondence to: José Manuel Mirás-Avalos (jose.manuel.miras.avalos@xunta.es)

The copyright of individual parts of the supplement might differ from the CC-BY 3.0 licence.

Multifractal behaviour of the soil water content of a vineyard in NW Spain during two growing seasons. Mirás-Avalos et al. (Supplementary Materials)

Supplementary information

Table S1. Summary of climate variables (temperature, rainfall, ET_0 and ET_c), irrigation water applied and harvest date for the studied and irrigation periods in 2011 and 2012.

		2011	2012
Measurement period		14 June to 26 August	14 June to 26 August
Temperature (°C)	Maximum	28.86	28.21
	Minimum	12.44	12.33
	Mean	20.15	19.67
Rainfall (mm)		25.60	65.60
ET_0		230.78	344.91
ET_c		184.63	275.93
Irrigation period		9 July to 16 August	20 July to 22 August
Temperature (°C)	Maximum	29.14	30.37
	Minimum	12.61	12.77
	Mean	20.36	20.82
Rainfall (mm)		10.20	29.20
ET_0		117.86	162.52
ET_c		94.28	130.02
Irrigation (mm)		39.67	50.00
Harvest date		14 th September	13 th September

Figure S1. Selected plots of the natural logarithms of the partition function, $\chi(q, \delta)$, versus the time resolution, δ : a) rain-fed treatment at 20 cm depth in 2011; b) irrigated treatment at 20 cm depth in 2011.

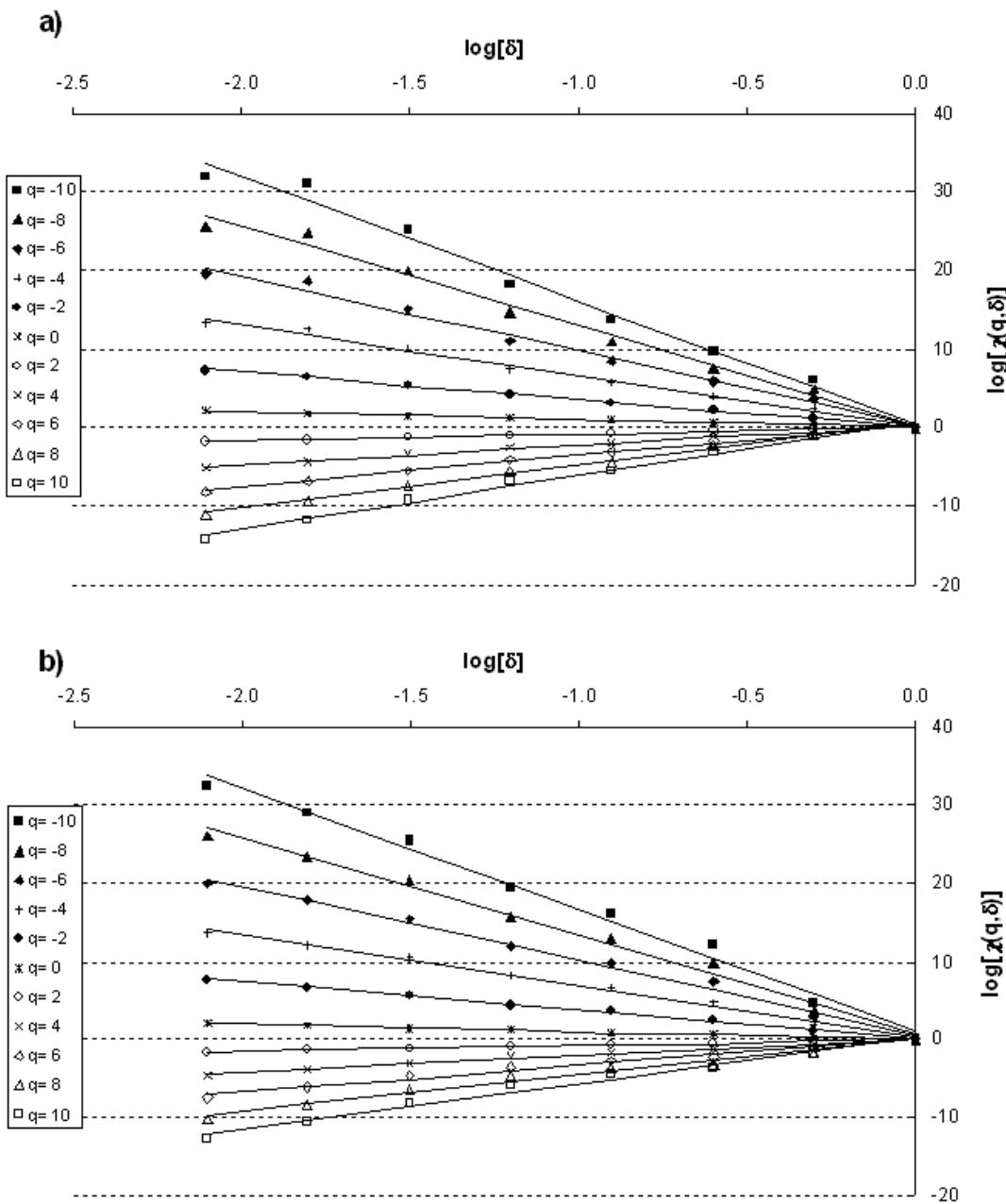


Figure S2. Mass exponents, $\tau(q)$, of soil water content averaged from 20 to 60 cm depth for rain-fed and irrigation treatments in 2011 and 2012.

