

Interactive comment on “How drought severity constrains GPP and its partitioning among carbon pools in a *Quercus ilex* coppice?” by S. Rambal et al.

Anonymous Referee #2

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Carbon sequestration by forests is sensitive to drought. This paper studied the drought severity of GPP and its partitioning among carbon pools in a *Quercus ilex* coppice using field measurements. This is an well-written and interesting paper. It is publishable after some minor modifications.

1.Field capacity is assigned 205 mm. Is this value measured or estimated? 2.Some valuables, such as BNPPcarse and BNPPfine, were estimated. Please analyze the uncertainties of these estimates. 3.WSI was used as the indicator of drought severity. Did you try use anomaly or standard precipitations index to indicate the drought severity?

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