

***Interactive comment on* “Research on Occurrence and Development of Pasture Drought Events in Alpine Grassland using the Drought Threshold” by Tiaofeng Zhang et al.**

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Based on the stress test data of the effects of drought on soil moisture in grassland under artificial occlusion conditions, the relationship between soil water storage capacity and cumulative relative water loss was established. Then the D drought index was established and the different levels of drought thresholds were obtained. It was concluded that the different levels of drought duration were not only related to the initial soil volumetric water content, but also closely related to the previous precipitation. The experimental design and the drought index can provide important reference value for grassland drought monitoring and early warning.

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Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., <https://doi.org/10.5194/nhess-2018-305>, 2018.

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