

Interactive comment on “Atmospheric circulation patterns associated to the variability of River Ammer floods: evidence from observed and proxy data” by N. Rimbu et al.

Anonymous Referee #1

Received and published: 1 December 2015

The manuscript ‘Atmospheric circulation patterns associated to the variability of River Ammer floods: evidence from observed and proxy data’ is mainly focused on the large scale mid and upper tropospheric patterns associated with both observed and reconstructed flood events of River Ammer. The manuscript is well written and well structured. Results are clearly presented and discussed. Therefore, my only main comment is about the choice of using Z500 at the annual scale when flood events mainly occur from May to August. I think the authors should better clarify this choice and in case correct.

Minor comments

C2546

4484, 21: have been 4485, 14: are related 4485, 22: are also related 4487, 22: negligible 4489, 23: I would talk of ‘the Atlantic branch’ and ‘the African branch’ of the jet as in summer (where most of the flood events have occurred) the 200/250mb wind forms almost a ‘continuous’ system with local maxima.

Interactive comment on Clim. Past Discuss., 11, 4483, 2015.

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