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Interactive comment on "Ancient pre-glacial erosion surfaces preserved beneath the West Antarctic Ice Sheet" by K. C. Rose et al.

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Received and published: 20 October 2014

I found the paper 'Ancient pre-glacial erosion surfaces preserved beneath the West Antarctic Ice Sheet' by Rose and co-authors to be a welcome contribution to understanding the past construction of subglacial topography. The arguments presented here are interesting and thought provoking. Given the timing the authors suggest, this requires ~tens of mm/y of backwearing or erosion to create the platform during just the MMCO. This is fast for even instantaneous rates, much less rates that are sustained for millions of years. Is it possible that the surface was created over a longer period of time? Are there constraints from offshore sediments to support the a longer period of erosion?

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Interactive comment on Earth Surf. Dynam. Discuss., 2, 681, 2014.