Reconstructing the Aa index to 1400 AD.

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In this study we look at the potential for reconstructing the Aa index back as far as possible. We investigate which proxy datasets are available and look at the timescales for which the reconstructed index would be appropriate. We show that it might be possible to reconstruct the Aa index back to $\sim$1400AD, but this would only apply for a multi year average. We investigate the reconstructed Aa index for long-term trends, and interpret the results in terms of centennial scale solar cycles.