Interactive comment on “Objective identification of climate states from Greenland ice cores for the last glacial period” by D. J. Peavoy and C. Franzke

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When trying to implement the statistical model of the authors I found myself with an additional technical question.

The marginal likelihood is approximated with \( \tilde{\theta} \), which the authors call the 'mode' of the parameter estimate. I wonder how to find it, given that \( \theta \) is multivariate. Isn’t it the mean instead? And why not just estimate the ML by sampling \( \theta \) from the MCMC output distribution?

Interactive comment on Clim. Past Discuss., 6, 1209, 2010.