

## ***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 ?

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