

Supporting Information for

Authigenic  $^{10}\text{Be}/^9\text{Be}$  ratio signatures of the cosmogenic nuclide production linked to geomagnetic dipole moment variation since the Brunhes/Matuyama boundary

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Tables S1 to S7

## Additional Supporting Information

Captions for Tables S1 to S7 are at page 2.

The tables have been added, and merged in one pdf, immediately after this "Supporting Information" introduction to conserve formatting. These data are also available from the Excel file attached.

## Introduction

Tables present all the supporting information that sustain this study. They include: age models data for two cores (Section 2.2 and Figure 2), AMS results for three cores (Sections 2.4, 3, 4, 5 and Figures 3, 4, 5, 6, 7 and 8), GDM calibration (Section 6 and Figure 8) and  $^{10}\text{Be}$ -derived GDM (Section 7 and Figure 9 and 10). These data have been produced according to methods described in the text within the last 4 years at

the CEREGE. Some of these data have been published and are revised (for radioactive decay correction) in this study (see text for details).

Table S1. Tie-Points for MD05-2920 Age Model Construction.

Table S2. Tie-Points for MD05-2930 Age Model Construction.

Table S3. AMS measurements, authigenic  $^{10}\text{Be}$  and  $^9\text{Be}$  concentrations and authigenic  $^{10}\text{Be}/^9\text{Be}$  ratios of core MD05-2920 samples.

Table S4. AMS measurements, authigenic  $^{10}\text{Be}$  and  $^9\text{Be}$  concentrations and authigenic  $^{10}\text{Be}/^9\text{Be}$  ratios of core MD05-2930 samples.

Table S5. AMS measurements, authigenic  $^{10}\text{Be}$  and  $^9\text{Be}$  concentrations and authigenic  $^{10}\text{Be}/^9\text{Be}$  ratios of core MD90-0961 samples.

Table S6. Average values and standard deviation of the clusters used for  $^{10}\text{Be}$ -derived VADM calibration

Table S7. Normalized stack and Virtual Axial Dipole Moment (VADM) reconstructed from Authigenic  $^{10}\text{Be}/^9\text{Be}$  ratios from cores MD05-2920 & 2930 + MD90-0961