



Supplement of

Storminess in North West Europe and volcanic activity during the Holocene

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Supplementary Information 1

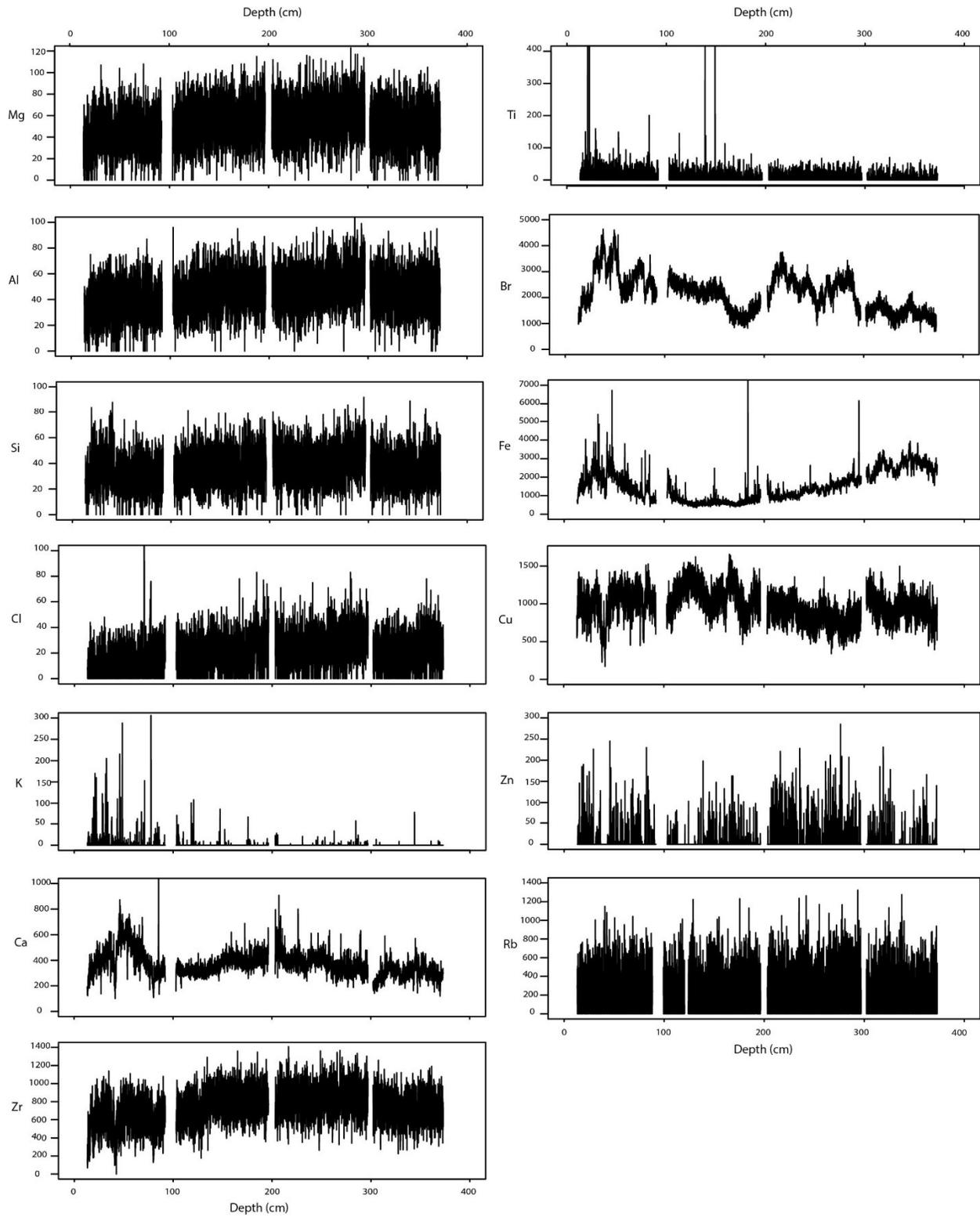


Figure S1: The raw XRF core scanner element results for Core BM2

Supplementary Information 2

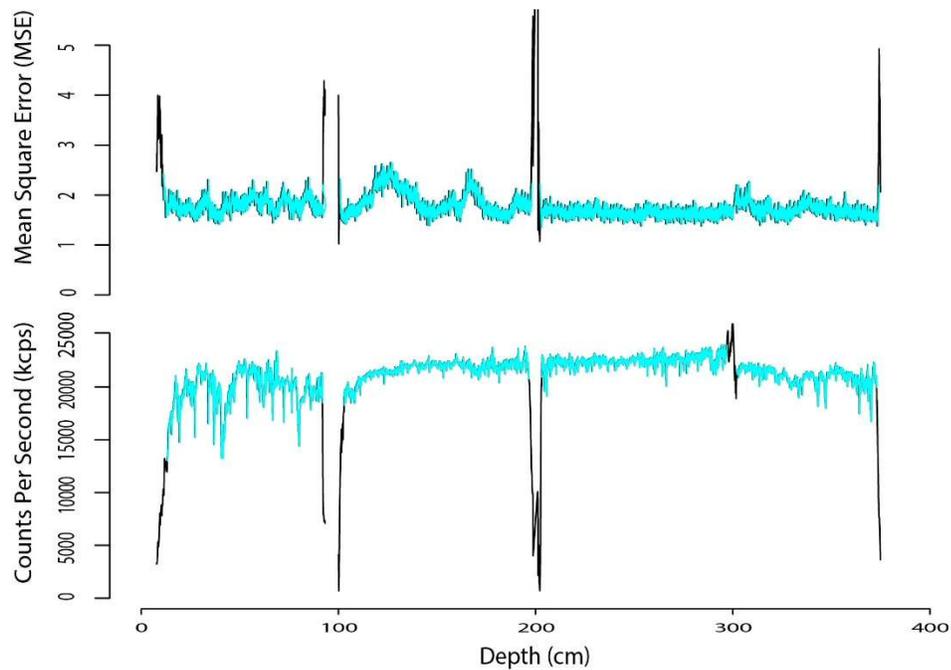


Figure S2: The ‘Mean Square Error’ (MSE) and ‘Counts per Second’ (kcps) results of the XRF core scanner analysis of Core BM-2. The black lines show the full analysed core sections, the blue line shows the sections retained for further assessment following data processing recommended by Löwemark et al. (2019). The elemental data that had large deviations in the MSE and kcps were removed as they are likely to contain artefacts.

Supplementary Information 3

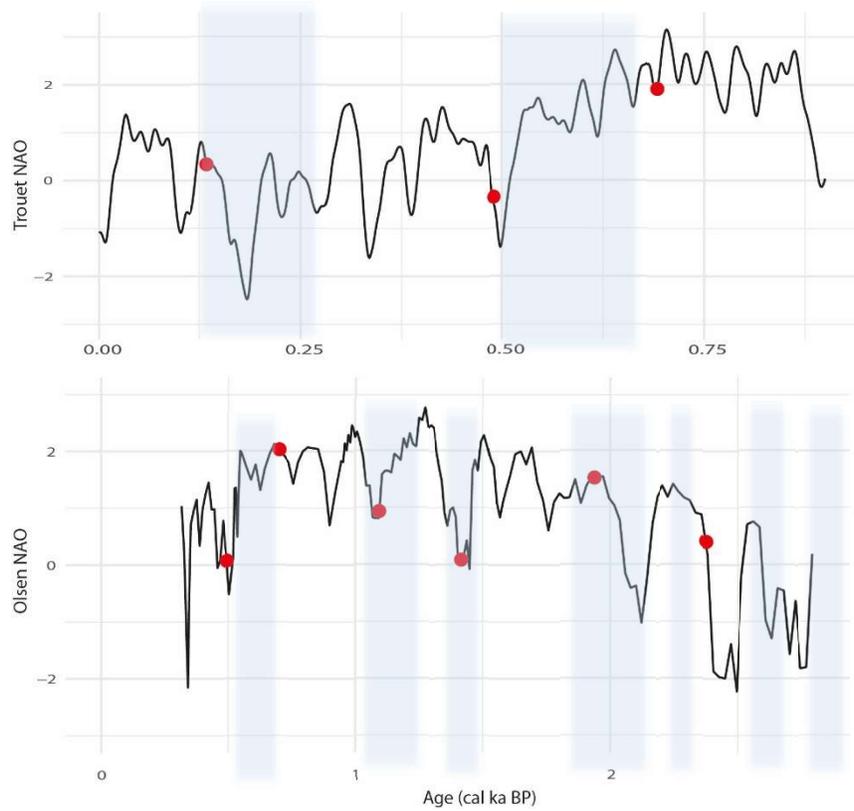


Figure S3: Comparison between reconstructions of the North Atlantic Oscillation (NAO) by Trouet et al. (2009) and Olsen et al. (2012) and major volcanic eruptions (Sigl et al., 2015; Mackay et al., 2022). The blue shaded bars are the periods of storminess from Figure 8.