

Supplemental material to 'Objective extraction and analysis of statistical features of Dansgaard-Oeschger events'

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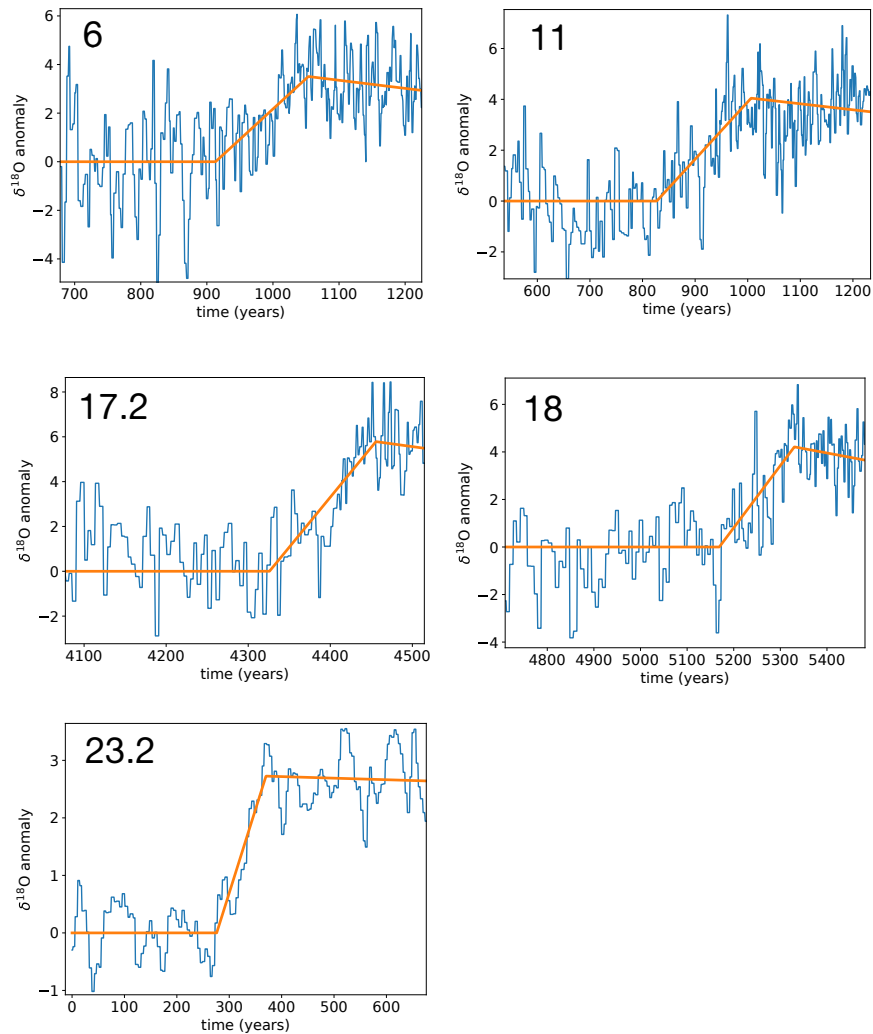


FIG. S1. Zoom into time series and piecewise-linear fit of the 5 longest warmings leading up to interstadials 6 (warming of 140.4 years), 11 (179.5 years), 17.2 (129.7 years), 18 (161.0 years) and 23.2 (115.2 years).

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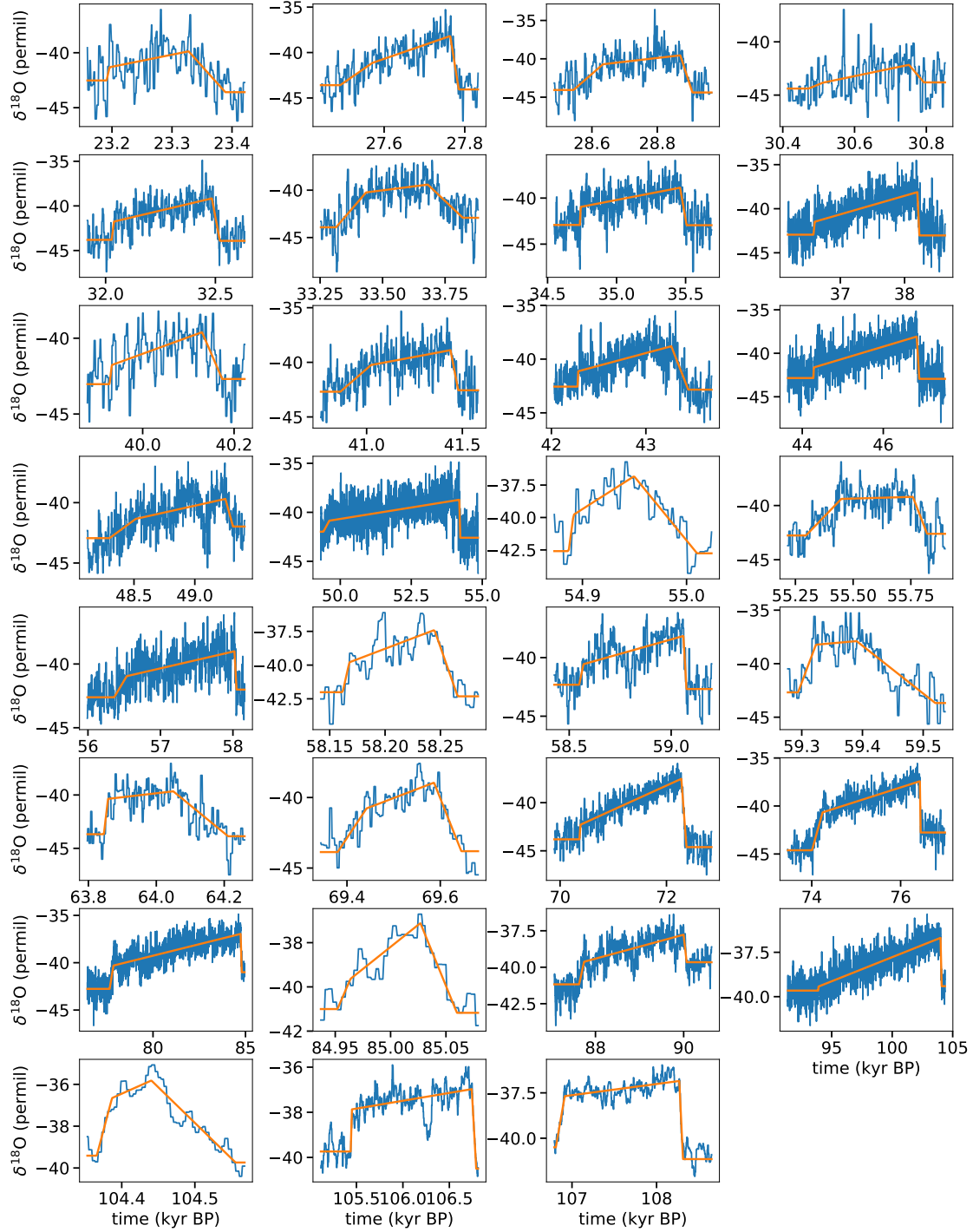


FIG. S2. All interstadial transitions fitted with a saw-tooth shape by our algorithm. The panels start with GI-2.2 on the top left and end with GI-24.2 on the bottom right.

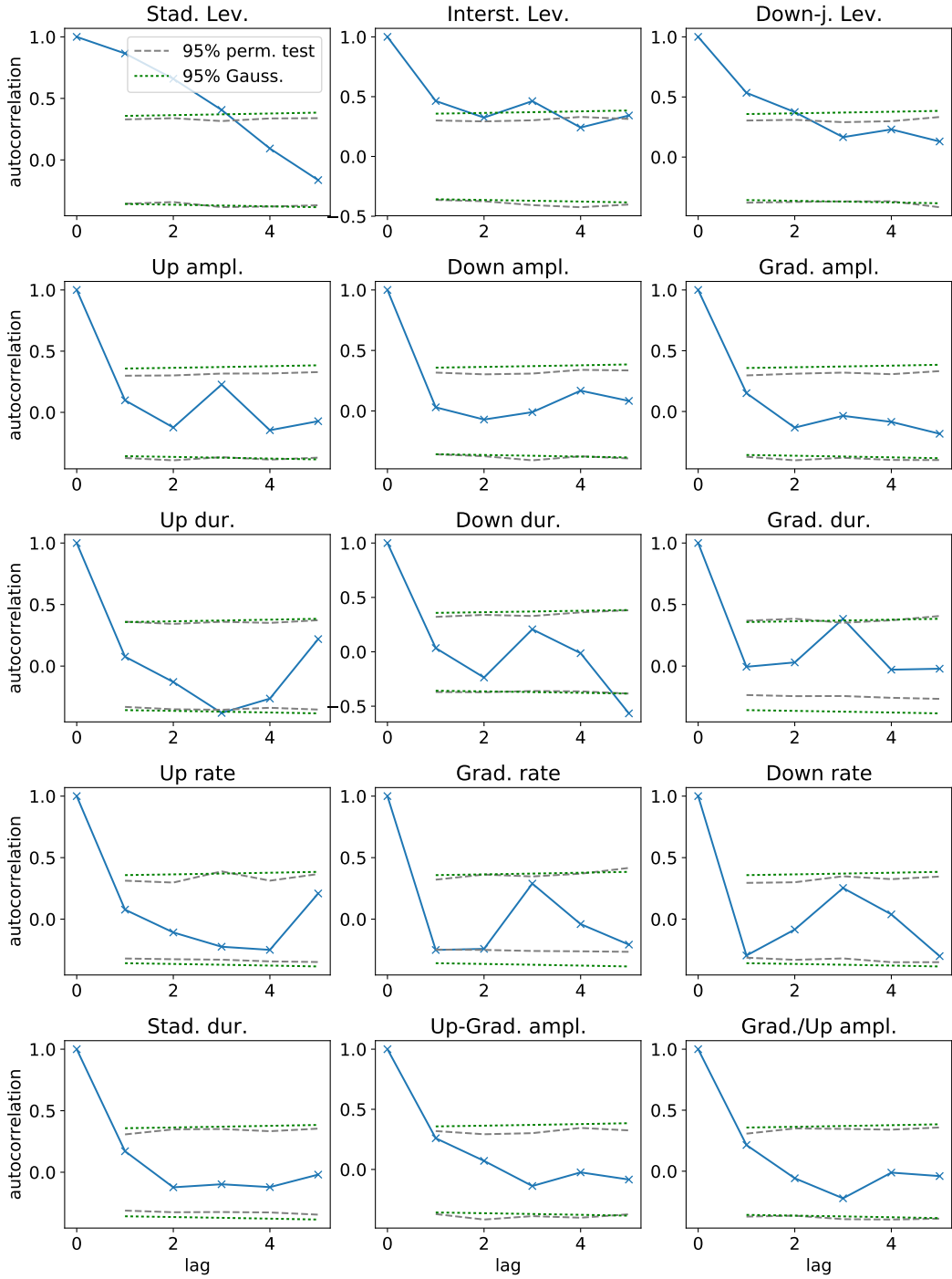


FIG. S3. Autocorrelation functions of all 15 features considered in the study, which are defined in the Methods and Materials section of the main article. We give 95% confidence bands, outside of which an autocorrelation is considered significant. The theoretical confidence band assuming Gaussianity and large sample size is shown with a *dotted* line, while a confidence band obtained from the respective samples and a permutation test is shown with a *dashed* line.

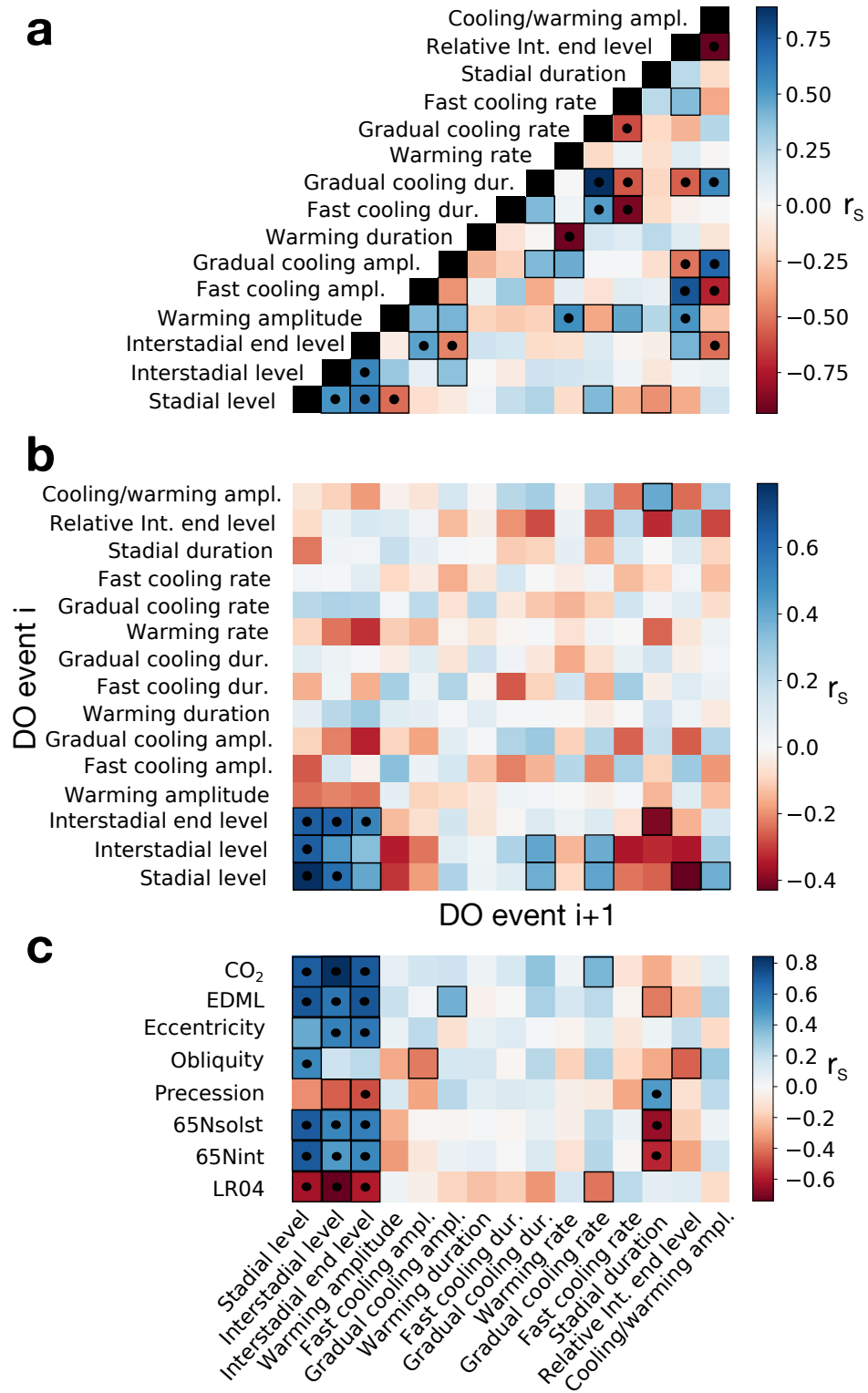


FIG. S4. Spearman correlation heat map of **a**) pairs of features within the same DO cycle, **b**) pairs of features in adjacent DO cycles, and **c**) pairs of one feature and one external forcing at the relevant time point of the feature. Correlations that are significant at 90% (95%) according to a permutation test are highlighted with a black frame (dot).