

Supporting Information for “Understanding non-ideal paleointensity recording in igneous rocks: Insights from aging experiments on lava samples and the causes and consequences of ‘fragile’ curvature in Arai plot”

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1. Figures S1 to S3

Introduction

Figure S1: Results of aging experiments. Columns are from left to right: SS, SC, CS, and CC. Rows are results from different aging conditions. From top to bottom these are: 70 μ T, Position 1; 70 μ T, Position 3; 70 μ T, Position 5; 35 μ T, Position 1; 35 μ T, Position 3; and 35 μ T, Position 5. The legends are the names of the samples from which the specimens were taken. For \vec{k} values,

*National Science Foundation

see Table 3. Demagnetization/remagnetization plots shown in Figures S2 and S3.

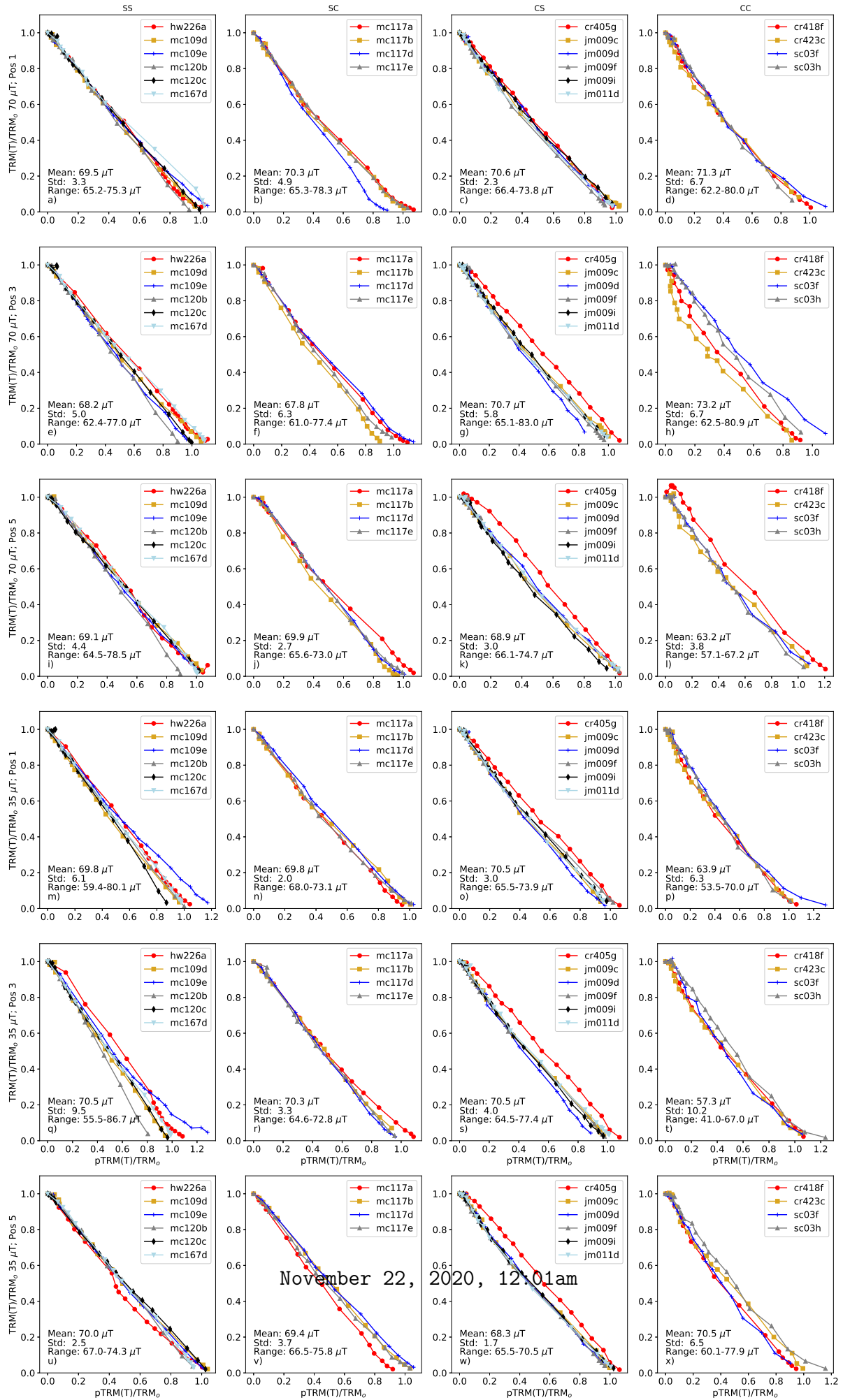


Figure S2: Demagnetization of fresh (dotted lines) and aged (solid lines) for each group of samples. Columns are from left to right: SS, SC, CS, and CC. Rows are results from different aging conditions. From top to bottom these are: 70 μT , Position 1; 70 μT , Position 3; 70 μT , Position 5; 35 μT , Position 1; 35 μT , Position 3; and 35 μT , Position 5. The legends are the names of the samples from which the specimens were taken. The horizontal line is the normalized initial TRM of each specimen.

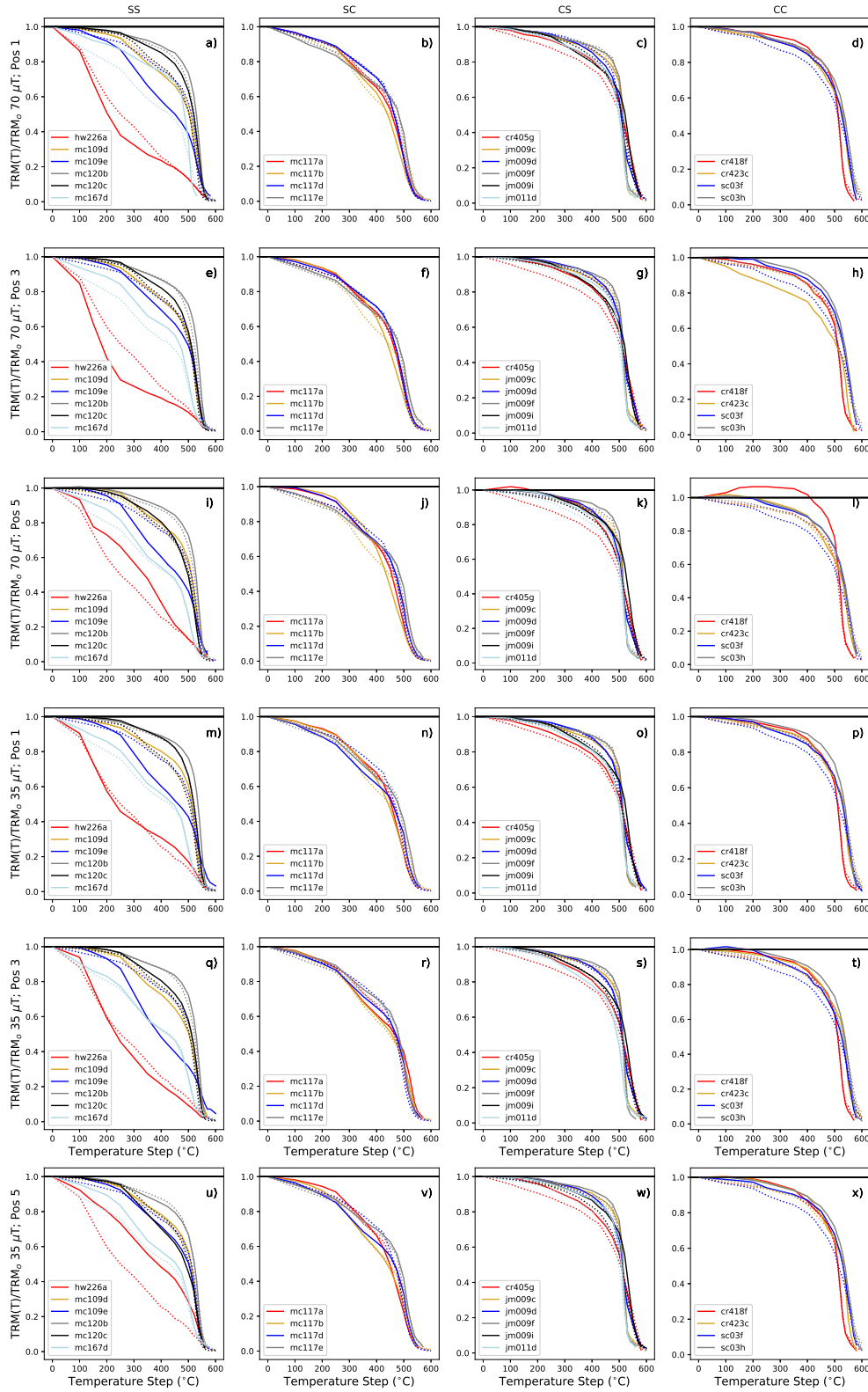
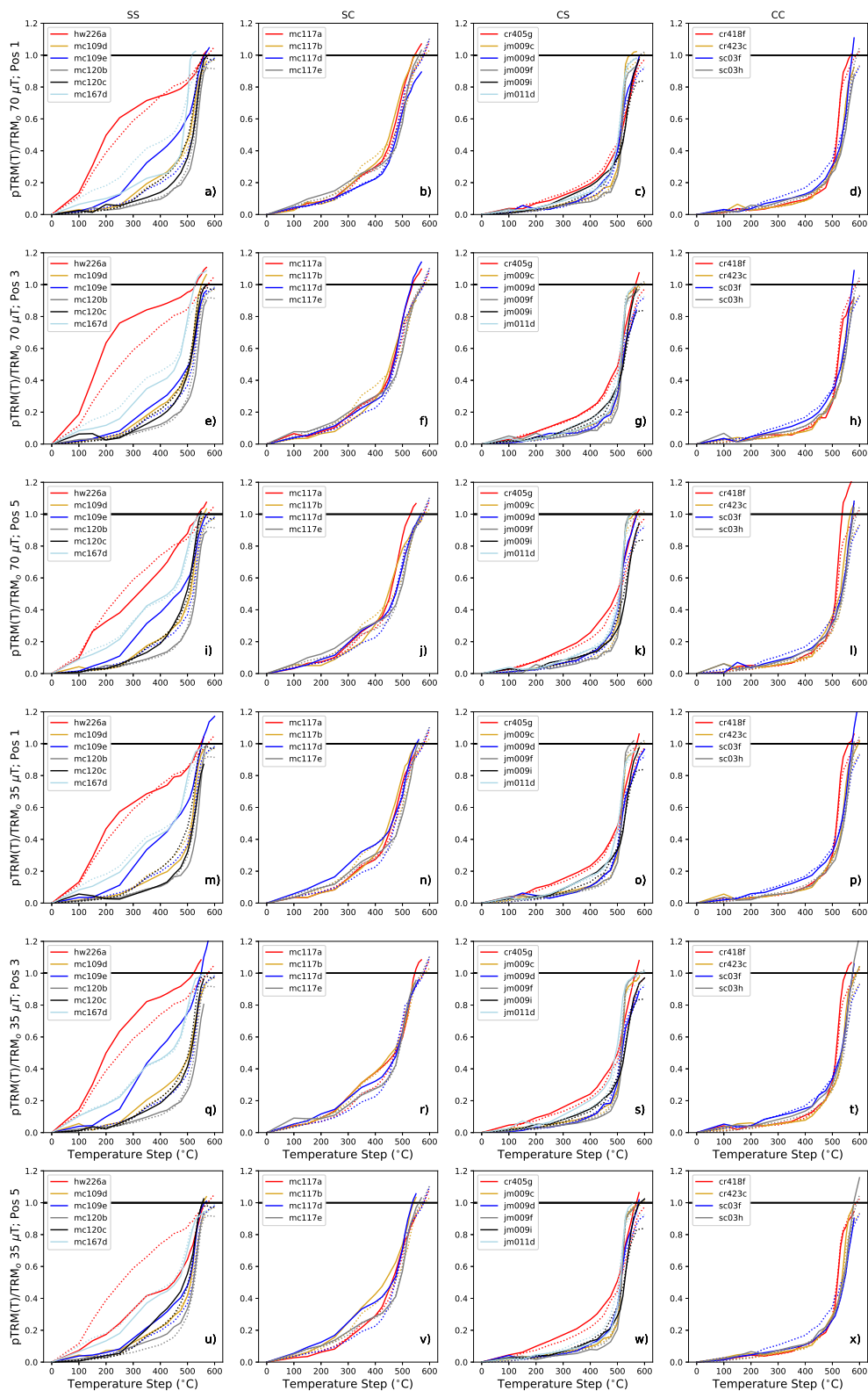


Figure S3: Remagnetization of fresh (dotted lines) and aged (solid lines) for each group of samples. Columns are from left to right: SS, SC, CS, and CC. Rows are results from different aging conditions. From top to bottom these are: 70 μT , Position 1; 70 μT , Position 3; 70 μT , Position 5; 35 μT , Position 1; 35 μT , Position 3; and 35 μT , Position 5. The horizontal line is the normalized TRM of each specimen. The horizontal line is the normalized initial TRM of each specimen.



November 22, 2020, 12:01am